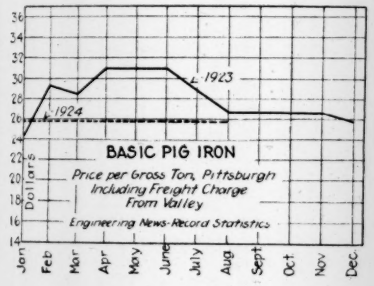
CONSTRUCTION NEWS

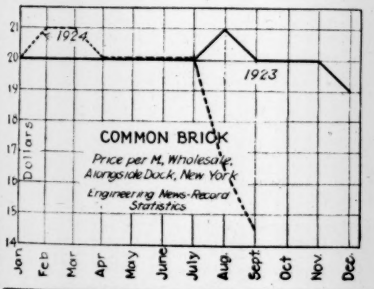
Engineering News-Record, September 4, 1924

The Construction Barometer

Downward Price Movement Less Severe—No Further Recessions in Structurals—Lumber Firmer—Gain in Public Building Awards

THE trend of building materials prices has been downward since early summer. Labor costs, in the meantime, have been moving steadily in the opposite direction. During the past three weeks, however, steel prices have not sagged further and firmness has been noted in certain other basic materials. Paint stuffs are above the Aug. 7 level. Pine timbers rose $1 in New York during the week. Telegraphic reports from the Northwest announce a similar advance in Douglas fir in the Seattle district. Contract totals for last week show a substantial gain in public work, principally commercial buildings, according to *Engineering News-Record* statistics. Jobs now out for bids, however, show an appreciable increase in large private projects.





Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Aug. 14	$23,960,000	$22,786,000	$46,746,000
Aug. 21	18,987,000	18,534,000	37,521,000
Aug. 28	23,774,000	11,329,000	35,103,000
3 weeks	$66,721,000	$52,649,000	$119,370,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

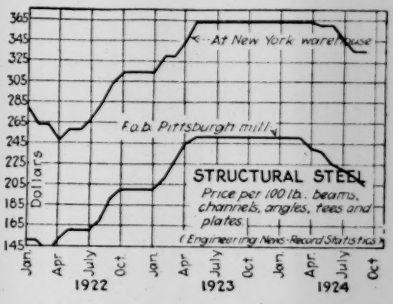
Week Ended	Commercial Public No.	Commercial Public Thousand	Commercial Private No.	Commercial Private Thousand	Industrial No.	Industrial Thousand
Aug. 14	11	$2,491	47	$18,386	15	$2,757
Aug. 21	7	1,381	45	13,959	20	3,493
Aug. 28	15	5,431	31	10,057	11	747
3 weeks	33	$9,303	123	$42,402	46	$6,997

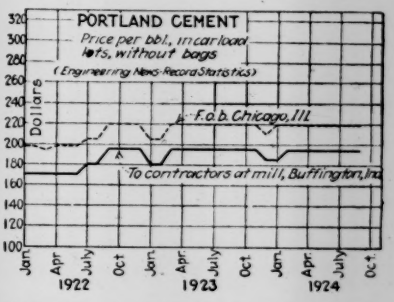
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

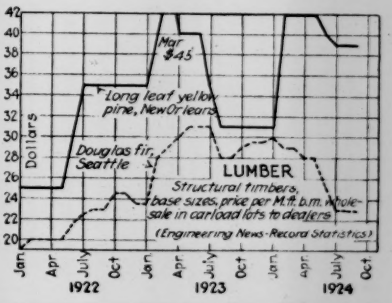
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Aug. 14	29	45	80	44	217
Aug. 21	30	52	76	39	198
Aug. 28	40	47	59	34	176

Little Change In Steel In Three Weeks—Lumber Fluctuating

	Quoted on Sept. 4 at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$1.95 @2.15	$2.00 @2.15	Aug. 14
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.	58.00	57.00	Aug. 28
Fir, San Fran., M. ft	29.00	31.00	Aug. 28
Common labor, hr.	.56	.55	Apr. 24







Waterworks

PROPOSED WORK

Mass., Medford (Boston P. O.)—Water Dept. rejected bids July 25, 95 tons c.i. water pipe, for Water and Sewer Dept. Will readvertise. A. A. Lucey, purch. agt. Noted July 24.

Pa., Muncy—F. M. Sprout, Muncy Water Supply Co., plans pumping station in Muncy Boro, also dam at intake with treating station, in Lewis Twp. $25,000.

Mich., Pleasant Ridge — Making plans 5,200 ft. 6- to 10-in. c.i. mains. G. L. Wessinger, village mgr.

Kan., Haviland—Plans waterworks and sewerage system. $60,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Kan., Hutchinson — Making preliminary plans main extensions. $15,000. R. B. Lee, Hutchinson, engr.

Kan., Kansas City—Making plans additional steam boilers, generators, and enlarging plant. $900,000 bond election soon. J. D. Donavan, c/o Waterworks, ch. engr.

Neb., Beatrice—Defeated $70,000 bonds for waterworks improvements. Noted June 12.

N. D., Fairmont—Making plans waterworks system. $15,000. C. L. Pillsbury Co., 1200 2nd Ave., S., Minneapolis, Minn., engrs.

Ark., Batesville — Made plans filtration plant. $100,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, Okla., engrs.

Tex., Cumby—Voted $40,000 bonds, complete water system. Elrod Eng. Co., 3124 Elm St., Dallas, engrs.

Tex., Houston—Voted $50,000 bonds, 5 new wells and pumps for water supply. J. C. McVea, city engr.

Tex., Houston—Made plans 5 artesian wells. $50,000. J. C. McVea, city engr.

Tex., Paducah—Making Plans complete water works. $100,000. Gantt Baker Co., 1116 Main St., Oklahoma City, Okla., engrs. Noted May 15.

Tex., San Antonio—Making plans mains in Ave. D, Highland, San Pedro, Peach and South Medina Sts. $280,000. I. Ewig, City Hall, engr.

Tex., University Park (Dallas, P. O.)—Voted $75,000 bonds, watermain extensions, G. McClellan, city engr. Noted July 24.

Okla., Collinsville — Plans new water supply connection to Spavinaw pipe line. To exceed $25,000. Holway Eng. Co., 505 Wright Bldg., Tulsa, engr.

Okla., Heavener — Defeated $125,000 bonds water purification plant, machinery, etc. Noted Aug. 21.

Okla., Walters — Making preliminary plans rapid sand purification plant and small dam across Cache Creek. $30,000. T. M. Anderson, city mgr. Engineer not selected.

Waterworks (Continued)

Wash., Seattle—Ed. Pub. Wks. rejected bids constructing Honey Creek diverting conduit. $65,000. Will readvertise. J. D. Blackwell, 7705 Seward Park. engr. Noted Aug. 21.

Calif., Brawley—Voted $30,000 bonds extending mains.

Calif., Hemet—Plans election $125,000 bonds or more water system.

Ont., Niagara Falls—Queen Victoria Park plans 13,000 ft. 6 in. c.i. mains with hydrants and valves. $30,000. J. H. Jackson, Queen Victoria Park, engr.

Ont., North Bay—Plans moving pumping plant to new location, new pumphouse, etc. $100,000. W. Mackie, town engr.

BIDS DESIRED

N. H., Keene—City taking bids, 2 filtration plants, reservoir and mains from Stone Dam on Quarry Hill, $100,000. Weston & Sampson, 14 Beacon St., Boston, Mass., engrs. Noted Aug. 14.

Conn., New Britain—Park Dept., City Hall, taking new bids grading pond, building dam and spillway in Stanley Quarter Park. $25,000. Former bids rejected. J. D. Williams, City Hall, engr. Noted Aug. 14.

N. Y., Buffalo—Sept. 15, by Commissioner Pub. Wks., superstructures for 1 and 3 story, 250 x 350 ft., 50 x 192 ft. and 62 x 132 ft., rein.-con., brick and steel filtration plant. To exceed $200,000. G. C. Andrews, Col. Ward Pumping Sta., engr.

N. Y., Long Island City—Sept. 12, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Talbot Pl., 57th Ave., 58th Rd., Marion, Remsen, Jupiter, Pulaski, Saultell, Stoutenburgh, Vincent, 21st, 8th and 213th Sts.

N. Y., New York—Sept. 11, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Burke, Bussing, Fenton, Fish, Harper, Hollers, Hugenot, Mace, McOwen, Mickle, Morgan, Lurting and Ropes Aves., East 213th, East 217th and East 233rd Sts.

N. C., Oxford—Sept. 24, by T. G. Stem, mayor, and Bd. City Comrs., City Hall, constructing certain waterworks improvements. N. C. Olsen, Raleigh, engr.; adv. E. N.-R. Sept. 4.

La., Shreveport—Sept. 23, by W. T. Mayo, comr. Pub. Utilities, City Hall, 3 mi. 30 in. conduit, extending and rebuilding present filter plant, etc. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs., adv. E. N.-R. Aug. 4.

O., Greenville—Oct. 1, by City, water softening plant, pumping station and appurtenances. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. Sept. 4.

Wis., Madison—Sept. 8, by H. C. Buser, city clk., 25,000 gal. steel tank on 75 ft. steel tower, also one 1,200 g.p.m. motor driven pump. Noted Aug. 21.

Kan., Reserve—Soon takes bids waterworks and distribution system, incl. tank on tower, 2 deep wells, 2 pumps, etc. $16,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Tex., Lufkin—Taking bids extending and constructing additional mains. $75,000. F. A. Jones, 430 Interurban Bldg., Dallas, engr. Noted Aug. 7.

Calif., Long Beach—City Council taking bids 1,500 lin.ft. 30 in., 18,600 lin.ft. 20 in., 6,600 lin.ft. 12 in., 25,200 lin.ft. each 8 and 6 in. c.i. pipe.

Calif., Santa Barbara — City Council taking bids lay 12 in. main, etc., in State St. between Sola and Gutierrez Sts. To exceed $30,000. V. E. Trace, supt. water dept. Noted May 15.

Calif., South Pasadena — See "Streets and Roads."

BIDS RECEIVED

O., Cleveland — Cleveland Water Dept., constructing chemical house and mixing chambers, for Baldwin-Fairmount Project, Constr. 54, Part 1, from D. Lowensohn, 8810 Woodland Ave., $562,500. Noted Aug. 14.

Calif., San Francisco—Bd. Pub. Wks., Aug. 20, submarine pipe lines for Bay Crossing Div., Hetch-Hetchy Project, for City and San Francisco Co., from Healy Tibbitts Constr. Co., 64 Pine St., $343,230. Noted July 31.

CONTRACTS AWARDED

Pa., Elwood City—Ellwood Water Co., general contract, alterations and additions to pumping station, boiler house and filtration buildings, to J. W. McLaughlin, Park Bldg., Pittsburgh. Engrs. est. about $25,000.

Pa., Phila.—Dept. Pub. Wks., Bureau Water, boiler house roof at Shawmont pumping station, Contr. 693, to Acme Machine Co., 316 North 17th St., $6,996; grading and dredging, etc., water front at Lardners Point pumping station, Contr. 696, to G. Dobbin, 1020 South 47th St., $9,975; boiler and feed treating plants for Towesdale and Belmont pumping stations, Contr. 698, to Amer. Water Softener Co., 4th and Lehigh Aves., $4,995; c.i. discharge pipe, Contr. 712, to Bethlehem Shipbuilding Co., Weidner Bldg., $425; bronze impeller for 30 in. pump at Lardners Point pumping station, Contr. 713, to Oravio Doyle Co., 805 Schaff Bldg., $3,140. Noted Aug. 21.

Fla., Miami — Dept. Pub. Utilities will build 10 m.g. water softening plant, by day labor. Alvord, Burdick & Howson, 7 South Dearborn St., Chicago, engrs.

O., Cleveland—Cuyahaga Co., 4,850 ft. of 12 in. c.i. mains in S. O. M. Center Rd., to A. Marra Constr. Co., Ulmer Bldg., $28,295.

O., Cleveland — Comrs. Cuyahoga Co., 8,500 ft. 6 and 8 in. c.i. mains in Impvt. 554, Sewer Dist. 5, to Curro & Whittaker, 12208 Mayfield Rd., $27,148.

O., Cleveland Heights (Warrensville P. O.)—For c.i. mains in 8 streets, to Curro & Whittaker, 12208 Mayfield Rd., $29,056; in Quillians, Vineshire, Clarence, Oxford and Sect. 3 of Taylor Rd., to A. Marra Constr. Co., Ulmer Bldg. Noted July 31.

O., Worthington — Jennings-Lawrence Co., 511 Hartman Bldg., Columbus, water and sewer line in Granville St. and New England Ave., to B. Canini, 1705 Shawnee Ave., Columbus, $19,200. Noted Aug. 21.

Ia., Marshalltown—City, filtration building and settling basin, to C. H. Werner, Waterloo, $37,527; filter equipment, to International Filter Co., 333 West 25th St., Chicago, $26,570. Noted July 31.

Minn., St. Paul—City, 10 various size bends and 312 lin.ft. 32 in. outside diam. steel pipe, to St. Paul Fdry. Co., Como Ave. and Mackubin St., $1,200; 270 lengths 30 in. and 10 lengths 24 in. c.i. pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $19,000.

Kan., Brookville—R. L. Martin, city clk., waterworks system, to Burt & Tripp, Hutchinson, $15,199. Noted Mar. 31.

Mont., Dillon — Improving waterworks, 18,000 lin.ft. 6 in., 3,000 ft. 10 in., 1,000 ft. 8 in. c.i. mains and about 7 tons specials, to Amer. Cast Iron Pipe Co., 712 Plymouth Bldg., Minneapolis, Minn., about $30,000.

Mo., Hannibal—Filter plant, basins, etc., in Riverview Park, to Long Constr. Co., 600 Rialto Bldg., Kansas City, $209,000. Noted June 5.

Mo., Washington—For 250,000 gal tank on tower, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $15,400; 305¼ tons 4- to 12-in. c.i. pipe and 7 tons special fittings, to U. S. Cast Iron Pipe Co., 604 Interstate Bldg., $15,842; forty 4 in. hydrants, 33 valves, and 4- to 12-in. boxes, to Ludlow Valve Co., 1416 R. A. Long Bldg.; laying pipe, about 19,600 ft. ditch work, etc., to Bihr Bros., Washington, $8,311. Noted July 10.

Okla., Stillwater—New earth dam, concrete spillway, gravity flow line, etc., 10,450 ft. 14 in. c.i. pipe, 450 cu.yd. concrete, 80,000 cu.yd. embankment., to A. A. Davis & Co., Grain Exch. Bldg., Oklahoma City, $89,011. Noted Aug. 14.

Okla., Tipton—Complete waterworks and distribution system, to Gantt-Baker Co., 1st Natl. Bldg., Oklahoma City. Engrs. est. $51,000. Noted July 17.

Sewers

PROPOSED WORK

Conn., Hartford—Plans sewers in Victoria Rd., Montowese and Tredeau Sts., also changing channel of Folly Brook, etc. To exceed $25,000. R. N. Clark, city engr.

Conn., Torrington—Making plans sewers in New Harwin Rd., West Benham and Calhoun St. extensions, Marjorie, Iowa, Smith Sts., Sharon, Maplewood and Brightwood Aves. To exceed $25,000. A. Patterson, 134 Main St., city engr. Noted July 31.

Conn., Wallingford—Boro plans filtration plant, trunk lines and sewer beds in various streets. $54,000. W. MacKenzie, 390 North Main St., engr.

Ala., Birmingham—Plans 6 x 12 ft. concrete storm sewer in 41st (or Spring) St. $198,500. A. J. Hawkins, City Hall, engr.

Ky., Central City—See "Streets and Roads."

O., Akron—Plans constructing completing length of interceptor sewer under Martha Ave. $165,000. J. E. Root, 300 Delaware Bldg., engr.

Ill., Springfield — Making preliminary plans sanitary sewer and disposal plant, etc. $2,000,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., engrs. Dawson & Walraven, 322½ South 6th St., Springfield, associated engrs.

Ia., Council Bluffs—Making preliminary plans, 9,985 ft. 24- to 60-in. vitr. clay sewers, etc. in 15th St. and Ave. A. D. W. Bailey, City Hall, engr.

Ia., Farragut—Plans sanitary sewerage system. $25,000. W. S. Coy, city clk.

Minn., Rochester—Voted $[illegible] bonds for sewage disposal plant. A. F. Wright, city clk. Noted Aug. 7.

Kan., Haviland—See "Waterworks."

Mo., Jefferson City—Making preliminary plans storm and sanitary sewers to supplement existing systems. $75,000 or more. F. E. Ross, city engr.

Tex., Ft. Worth—Plans sewage disposal plant addition. $300,000. D. L. Lewis, city engr.

Tex., San Augustine — Voted $35,000 bonds, sanitary sewerage system. J. Thompson, mayor. Noted Aug. 14.

Okla., Collinsville—Making plans new outfall sewer and disposal plant. To exceed $25,000. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Okla., Okeene—Making preliminary plans 6 mi. new sewers and disposal plant. $40,000. S. Fox, city clk. Engineer not selected.

Calif., Corona—Plans election $100,000 bonds for sewerage system.

Calif., Compton — Voted $70,000 bonds for sewers; defeated $40,000 bonds for disposal plant. Noted Aug. 14.

Calif., Monrovia—Plans septic tank and sewage disposal system. $75,000. H. S. Gierlich, city engr.

Calif., Oakland—Made plans 18,288 lin. ft. 8 in. vitr. sewer, 48 manholes, etc., in Fruitvale Garden Farms Tract. W. W. Harmon, city engr.

Calif., Watsonville—Had estimates made extending sewers in Lake and Lincoln Sts. $25,000. H. B. Kitchen, city engr.

Ont., Scarboro—Scarboro Twp. making plans vitr. tile storm and sanitary sewers, and concrete disposal works in area 1. $71,000. C. E. Fraser, 1361 Kingston Rd., Toronto, engr.

Ont., Toronto—York Twp. making plans 1 mi. concrete or brick trunk sewer from Baby Point to Black Creek. $100,000 to $150,000. James, Proctor & Redfern, 36 Toronto St., engrs.

BIDS DESIRED

Conn., Hartford — Taking bids laying about 300 ft. 12-in. sewer in Capitol Ave. $25,000. R. N. Clark, city engr.

N. Y., Long Island—Sept. 10, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Polk and Hayes Aves., Steenwyck and Darvall Sts.

N. Y., New York—Sept. 10, by J. Miller, pres. Manhattan Boro. Municipal Bldg., sewers in Park Terrace W.

N. Y., Tarrytown — Sept. 9, by Bd. Trustees, at office J. W. Cole, village clk., 7,500 ft. 8 in. sewer. Wulff Eng. Co., Tarrytown, engrs.; adv. E. N.-R. Sept. 4.

N. J., Little Ferry—Sept. 17, by Mayor and Boro Council, sewerage system and treatment plant. T. F. Bowe, 110 William St., New York City, consult. engr.; adv. E. N.-R. Sept. 4.

Pa., Oil City—Sept. 18, by B. B. Weber, city engr., City Hall, Oil Creek Intercepting Sewer; adv. E. N.-R. Sept. 4.

Ind., Anderson—Sept. 8, by Bd. Pub. Wks., installing and extending an addition to water distribution system in part of city recently annexed and known as North Anderson. R. L. Creson, city clk., adv. E. N.-R. Sept. 4.

Ill., Vandalia—See "Streets and Roads."

Wis., Beloit—Sept. 5, by G. E. Heebink, city engr., 1,350 lin.ft. 48 in. concrete storm sewers, also 3.2 ft. high, 4 ft. wide concrete box sewer in Madison Ave., also 18,300 lin.ft. 8 in. and 330 lin.ft. 12 in. vitr. sanitary sewers, etc., in various streets.

Kan., Kansas City — Sept. 9 (extended date), by Horner & Wyatt, engrs., 306 McMillian Bldg., Kansas City, Mo., sanitary and storm sewers, 11,000 ft. 5½ to 13 ft. drains, etc. Noted July 31.

Mo., St. Louis—Sept. 23, at office Bd. Pub. Serv., 308 City Hall, relief sewers. E. R. Kinsey, pres.; adv. E. N.-R. Sept. 4.

Tex., Lufkin—Taking bids sanitary sewer extensions. $50,000. F. A. Jones, 430 Interurban Bldg., Dallas, engr. Noted Aug. 7.

Tex., Merkel — Taking bids complete sewerage system, $50,000. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs. Noted May 22.

Calif., Los Angeles—Bd. Pub. Wks. taking bids rein.-con., monolithic and cement sewers in Boyle Heights Storm Drain 2. To exceed $100,000. W. L. Knowlton, city sewer engr.

Ont., Kenora—Sept. 8, by F. J. Hooper. 2 mi. sewers. $90,000. James Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Sewers (Continued)

BIDS RECEIVED

O., Akron—W. F. Peters, dir. Pub. Serv., sewer in 2,900 ft. Mull Ave., from W. P. Gibbons Constr. Co., Marne Hotel, segmental block, $76,540, brick $77,785. Noted Aug. 21

CONTRACTS AWARDED

R. I., Providence—City, to F. W. Christy, 1074 Pontiac Ave., sewer Lorraine Ave. $1,626, Slater Ave. $1,645; to F. A. Gammino, 92 Bway., Cyr St. $2,582, Calla St. $7,281, Intervale Rd. and Cole Ave. $3,575, Bastram St. $4,047; to Bruno & Pettiti, 18 Tremont St., Boston, Mass., Thurbers Ave. $23,236; to A. Aiello, 107 Westminster St., Rosyln Ave. $5,325.

O., Cleveland—For 1,270 ft. 3 ft. crock sewer and 2,720 ft. 12- to 18-in. vitr. tile sewers in Pearl Rd., to Manson Co., c/o Sewer Contractors 'Exch., The Arcade, $52,140.

O., Cleveland—For 910 ft. 5 ft. rein.-con. sewer in Miles Ave., to Salem & George Bros., Erie Bldg., $32,051.

O., Cleveland Heights (Warrensville P. O.—Vitr. sewers in 8 streets, to Curro & Whittaker, 12208 Mayfield Rd., $79,868; in Quillians, Vineshire, Clarence, Oxford and Sect. 3 of Taylor Rd., to A. Marra Constr. Co., Ulmer Bldg., $45,716. Noted July 31.

O., Columbus—See "Streets and Roads."

O., Idlewood (Cleveland Heights P. O.)—Sewer in 5 streets, to A. Marra Constr. Co., Ulmer Bldg., $50,288.

Ill., Rochelle—City Council, Aug. 16, sewage disposal plant, equipment, etc., to Hansen & Healey, Chicago. $32,312. Engrs. est. $34,000. Noted Aug. 14.

Wis., Medford—O. G. Blakeslee, 7,813 lin.ft. 12- to 27-in. vitr. sewer in various streets, to W. D. Morgan, Ladysmith, for city. $24,144. Noted Aug. 7.

Ia., Pocahontas—Pocahontas Co., sewers in Primary Rd., Project 339, etc., to A. Elkwald, Emmetsburg, 48,960 ft. 6 in. tile drain at $0.095 per ft., and 9 type A intakes at $15.00 each.

Ia., Sioux City—Sewers in Hamilton St. from West 22nd to West 23rd Sts., to W. H. Devlin, 2,920 West Edmund St., at $0.87 per lin.ft.; and sewer and water connections in South Patterson and 36th Sts., to W. J. Higgins, 2137 Riverside Blvd., at $0.98 per lin.ft.

Neb., Hastings—City, c/o A. T. Bratton, Main St., 22,200 ft. 8 and 12 in. vitr. clay sewers, Sewer Dist. 101, to Peterson & Schreiber, Federal Reserve Bldg., Omaha, $29,975. Noted Aug. 14.

Wash., Hoquiam—City Comn., concrete sewers in West End Dist., to F. A. Keasel & Co., Hoquiam, $31,223, engrs. est. $35,000.

Calif., Culver City — Vitr. sewers in Impvt. Dist. No. 2, to connect with city of Los Angeles outfall, to R. A. Garnett, Loew State Bldg., Los Angeles, $38,729.

Calif., Los Angeles — Bd. Pub. Wks., sewers in 6th Ave. from Vernon Ave. to 50th St., to N. Chutck and L. Vuksich, 343 Wilcox Bldg., $39,150.

Calif., Los Angeles — Bd. Pub. Wks., storm drain in Mesa St. between O'Farrell and 3rd Sts., to C. E. Green, Western Mutual Life Insurance Bldg., $63,297.

Kan., Mound City—See "Streets and Roads."

Waste Disposal

PROPOSED WORK

N. C., Raleigh—City plans new incinerator plant. $25,000. E. G. Culbreth, Raleigh, mayor.

Minn., Faribault — See "Industrial Works."

Calif., Redonda Beach — Plans election approximately $50,000 bonds for incinerator and garbage disposal plant.

BIDS DESIRED

N. Y., Buffalo—Sept. 23, at office W. F. Schwartz, comr. Pub. Wks., garbage or mixed refuse disposal equipment. Metcalf & Eddy, 14 Beacon St., Boston, Mass., engrs.; adv. E. N.-R. Sept. 4.

Bridges

PROPOSED WORK

Md., Baltimore—Mayor and City Council, City Hall, making plans Edmondson Ave. bridge over Pennsylvania R.R., Norton, Bird & Whitman, Munsey Bldg., engrs.; steel and rein.-con. bridge over Rogers Ave. north of Bucks Lane, B. L. Crozier, City Hall, highways engr.

Fla., Miami—City plans 300 ft steel and rein.-con. bascule bridge with concrete approaches over Miami River. $350,000. Harrington, Howard & Ash, Orear Leslie Bldg., Kansas City, Mo., engrs.

Fla., Tampa—Hillsborough Co., making plans bridge over Hillsborough River, at 40th St. $30,000. A. B. Pimm, Court House, engr.

Miss., Columbus—Lowndes Co. voted $160,000 bonds for rein.-con. and steel bridge over Tombigbee River. Federal Aid to appropriate toward cost. J. J. Richards, co. clk. Noted Aug. 7.

Tenn., Clarksville—City, State Dept. Hys., Nashville, and Louisville and Nashville R.R. Co., 9th St. and Bway., Louisville, Ky. Plans Academy Ave. viaduct over railroad tracks. $35,000. W. H. Courtenay, ch. engr. railroad.

Kentucky—State Hy. Dept., Frankfort rejected bids Aug. 20., two 150 ft. span bridge on Hazard-Jackson Rd., State Project 4-B and B-2 Perry Co., two 60 ft. and two 70 ft. girder spans on Hazard-Whitesburg Rd., State Project 4-C and B-1, Perry Co., four 60 ft. through girder spans on Hazard-Jackson Rd., State Project 4-B and B-1, Perry Co., two 150 ft. spans and one 30 ft. T beam spans on Hazard-Whitesburg Rd., State Project 4-C and B-2, Perry Co., all over North Fork of Kentucky River, in Perry Co. J. S. Boggs, highway engr. Noted July 21.

Indiana—State Hy. Comn., Indianapolis, plans two 195 ft. 2⅞-in. and two 194 ft. 9-in. steel truss span bridge, rein.-con. substructure, across the east fork of White River, 5 mi. from Petersburg. J. D. Williams, dir.

Ia., Nevada—Story Co. plans 3 span 24 x 70 ft. pony truss bridge, concrete flooring, piers and abutments, over Shaw Creek. $35,000. S. Steigerwalt, Nevada, engr.

Kan., El Dorado—Butler Co. plans two 30 and one 40 ft. span deck girder bridge, on Federal Aid Project 205, Sect.-E, 5 mi. from here. H. D. Barnes, co. engr.

Kan. El Dorado — See "Streets and Roads."

Kan., Manhattan—Riley Co. making preliminary plans replacing steel truss bridge with rein.-con. bridge across Wild Cat Creek, Victory Highway, $20,000; and remove existing Wild Cat Bridge to replace steel truss bridge to Deep Creek. A. Rhodes, Manhattan, engr.

Tex., San Antonio—Plans 110-ft. concrete bridge, rein.-con. piers, etc., on North Presa St. between College and Crockett Sts. $30,000. I. Ewig, City Hall, engineer.

Tex., San Antonio—Making plans replacing 70 ft. timber bridge with 85 ft. rein.-con. plate girder or I-beam bridge over San Antonio River on 4th St., $40,000; also replacing 80 ft. timber bridge with steel and concrete bridge over San Antonio River on Market St., $30,000. I. Ewig, City Hall, engr. Noted Aug. 21.

Ont., Chatham—Kent Co. plans 3 new concrete and steel bridges, in Raleigh and Harwich Twps. $30,000. A. Colby, County Bldg., engr.

Ont., Mitchell—See "Excavation, Drainage, Irrigation."

BIDS DESIRED

Conn., New Britain—Park Dept., City Hall, taking new bids 1 stone, and 1 timber bridge, also 1 large culvert, at Stanley Quarter Park. $25,000. Former bids rejected. J. D. Williams, City Hall, engr. Noted Aug. 14.

Pa., Phila.—Sept. 9, by G. H. Biles, dir. Pub. Wks., 3 span, 78 x 116 ft. steel encased in concrete bridge, Girard and Pennsylvania Aves., for City and Phila. & Reading R.R., Reading Terminal. $100,000. Private plans.

S. C., Barnwell — See "Streets and Roads."

S. C., Kingstree—Sept. 10, at office J. B. Mays, engr., Kingstree, 193 ft. rein.-con. bridge over Black River, on State Route 26, Federal Aid Project 247, for Williamsburg Co.

Miss., Decatur—See "Streets and Roads."

Miss., New Albany—See "Streets and Roads."

Nebraska—Sept. 19, by Clerk Saunders Co., Wahoo, 3 bridges with twelve 100 ft. low riveted trusses, 20 ft. roadway, etc., across Platte River on Millard-Wahoo Rd., for Saunders Co. (Wahoo) and Douglas Co. (Omaha). $250,000. R. Cochran, Lincoln, state engr.

Tex., Smithville—Sept. 8, by Bastrop Co. (Bastrop), painting floor beams and stringers, also constructing new flooring on 800 ft. bridge, 18 ft. over Colorado River, here. $40,000. A. Schlafli, La Grange, div. engr. G. G. Wickline, La Grange, state bridge engr.

Calif., Richvale—Sept. 15, by State Hy. Comn., Sacramento, five 30 ft. span, rein.-con. girder bridge over Cherokee Canal near here, Butte Co. R. M. Morton, state highway engr.

BIDS RECEIVED

Pa., Bridgewater—Bucks Co. (Doylestown), 3 span, 280 ft. concrete bridge, 27 ft. roadway over Neshaminy Creek, here, from C. R. Camp, 10 South 16th St., Phila., $87,744. Noted June 12.

Okla., Oklahoma City—City Clerk, Aug. 19, three 140 ft. and one 80 ft. steel span bridge with steel and concrete piers, at 39th St., from Gant Baker Co., 1116 West Main St., $51,884. Engrs. est. $65,000. Noted Aug. 14.

CONTRACTS AWARDED

Mass., Cohasset—Reconstructing bridge over Gulf River, on Border St., to H. L. Hanser Building Co., 263 Summer St., Boston. Engrs. est. $31,000. Noted June 19.

New Jersey—State Highway Dept., Trenton, repairs to bridge over Delaware River between Lambertville, N. J. and New Hope, Pa., to Brann & Stuart, Commercial Trust Bldg., Phila., Pa., $60,000. Noted June 19.

Pa., Pittsburgh—City, c/o Dept. Pub. Wks., reconstructing bridge over tracks of Pennsylvania R.R., on Shady Ave., to Fort Pitt Bridge Co., Oliver Bldg., $26,690. Engrs. Est. $40,000. Noted Aug. 14.

Ill., Aurora—Bd. Local Impvts., bridge and dam over west branch Fox River, to Standish Eng. Corp., 400 North Michigan Ave. Noted Aug. 14.

Ia., Hampton—Franklin Co., 11 box culverts and one 120 x 120 ft. high truss bridge, to B. Cole, Ames, $22,472. Engrs. est. $25,243. Noted Aug. 14.

Ia., Ida Grove—Bd. Supvrs. Ida Co., 19 box culverts, and one deck girder bridge, to F. E. Marsh & Co., Jefferson, $16,200; 18 box culverts, to M. Godderson, Holstein, $9,256, 1 pony truss bridge, to Des Moines Steel Co., 9th and Southwest Tuttle Sts., Des Moines, $5,500., 1 pony truss bridge, to F. Humphrey & Son, Cherokee, $5,985. Noted Aug. 14.

Ia., Osage—Mitchell Co., 1 I-beam and 1 pony truss bridge, and 2,268 ft. piling, to A. Swanson Co., Webster City, $14,361; 20 box culverts and 1 I-beam bridge and 432 ft. piling, to J. E. Elliott, Independence, $12,881.

Kan., Erie—Neosho Co., 5 rein.-con. deck girder bridges, to Topeka Bridge & Constr. Co., Stormant Bldg., Topeka, $35,961.

Kan., Kansas City—For 964 ft. rein.-con. viaduct with wood block paving, 36 ft. roadway, on 7th St., from Muncie to Scott Sts., to D. Munro, 716 Adams St., Kansas City, $225,080. Noted July 24.

Neb., Omaha—Douglas Co., 200 ft. timber bridge over Elkhorn River, also timber bridge at Elk City, to Allied Contractors, Inc., 1803 Douglas St., $85,000 and $100,000 respectively.

Tex., Carrizo Springs—See "Streets and Roads."

Tex., Ft. Worth—Tarrant Co., 443 ft. 12 span steel and concrete bridge over Trinity River on Highway 10, to Womack Constr. Co., Sherman, $28,376. Engrs. est. $31,284. Noted Aug. 7.

Tex., Jacksboro — See "Streets and Roads."

California—State Highway Comn., Sacramento, one 35 ft. concrete bridge over Robbers Creek, one 90 ft. combination timber and concrete trestle across Baxter Creek, and one 150 ft. combination timber and concrete over Long Valley Creek, Lassen Co., to Lord & Bishop, Napa, $19,527. Engrs. est. $19,569. Noted Aug. 7.

Dams

PROPOSED WORK

Pa., Muncy—See "Waterworks."

Okla., Walters—See "Waterworks."

BIDS DESIRED

N. J., Lake Hopatcong — Sept. 19, by Morris Canal & Banking Co., Arrow Bldg., Blackwell and Sussex Sts., Dover, concrete dam at outlet of Lake Hopatcong. C. Vermeule, 38 Park Row, New York City, also Dover, N. J., consult. and directing engr.; adv. E. N.-R. Sept. 4.

Calif., Los Angeles—Sept. 29, by Bd. Supervs. Los Angeles Co. Flood Control Dist., Hall of Records, constructing 2 arch concrete dams, tunnels, spillways, etc., one at point in Big Santa Anita Canyon, about 3 mi. north of Arcadia, and other at place known as "The Narrows" in Pacoima Canyon. L. E. Lampton, dist. clk.; adv. E. N.-R. Aug. 28.

CONTRACTS AWARDED

Ill., Aurora—See "Bridges."

Tex., Grand Saline—City will build 22 ft. earth dam and concrete spillway, by day labor. $50,000. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs.

Okla., Stillwater—See "Waterworks."

Railways

PROPOSED WORK

Texas—Dallas Ry. Co., Interurban Bldg., Dallas, made plans extending Ervay St. car line from Pear to Butler Sts., and concrete paving between tracks. $30,000. R. B. Brown, Interurban Bldg., engr.

BIDS DESIRED

Pennsylvania — See "Buildings"—Industrial under Kersey."

BIDS RECEIVED

California—Merced Irrigation Dist., Merced, relocating 16.79 mi. Yosemite Valley R.R. from Merced Falls to Detwiler, to F. Rolandi, 550 Montgomery St., San Francisco. Noted June 12.

Excavation, Drainage, Irrigation

PROPOSED WORK

Nev., Gardenerville—Carson River Irrigation Dist. making preliminary plans earth fill storage dam, 107 ft. high, 20 mi. of canal, etc. Plans bond election to finance construction. L. H. Taylor & Co., Nevada State Life Bldg., Reno, engr.

Calif., Hanford—Lucerne Irrigation Dist. plans irrigating approximately 35,000 acres, water stored in reservoirs, also several pumping plants. M. Enderlein, Brix Bldg., Fresno, engr.

Ont., Mitchell—Culross Twp., making plans system of land drainage, ditching and bridges. $100,000. J. Rogers, Main St., engr.

BIDS DESIRED

Missouri—Sept. 15, by Little River D. D., J. W. Hummelberger, pres., Cape Girardeau, Morgan Eng. Co., engrs., Goodwyn Institute, Memphis, Tenn., and L. L. Hidinger, Cape Girardeau, resident engr., 175 mi. old channel enlargment, 20,000,000 cu.yd. excav. new channels, 2 retarding basins, 203,000 cu.yd. earth embankment, etc. $4,000,000. Noted Feb. 28.

BIDS RECEIVED

Massachusetts — Dept. Pub. Wks., Div. Highways & Pub. Lands, State House, Boston, dredging about 13,000 cu.yd. Ipswich River from Nabbys Point to Averills Wharf to 4 ft. depth, from Bay State Dredging & Contg. Co., 62 Conder St., East Boston, $0.85 per cu.yd. Noted Aug. 7.

Calif., Los Angeles—City Harbor Comn., approximately 65,000 cu.yd. dredging in Berths 208 and 168, from San Francisco Bridge Co., Nevada Bank Bldg., $0.265 per cu.yd. Noted Aug. 14.

Streets and Roads

PROPOSED WORK

Mass., Dorchester (Boston P. O.)—City of Boston plans paving Linden, Verrill and Helena Sts., here. $25,000. J. F. Sullivan, secy. Street Laying-Out Dept., City Hall, Boston.

Mass., West Roxbury (Boston P. O.)—City of Boston plans paving Hanover St., Lotus Pl., Greaton, Pierpont and Brook Rds., here. $40,000. J. F. Sullivan, secy. Street Laying-Out Dept., City Hall, Boston.

R. I., Providence—City plans curbing and guttering Armington Ave., changing grade of Alvin and Waldo Sts., establishing ground known as Sheriden St., Morris and Taft Aves. as public highways. To exceed $25,000. W. H. Brandon, city engr.

N. C., Fremont—Plans curbing, guttering, laying sewers and paving, etc., about 8,000 sq.yd. various streets. $32,000. J. B. McCrary Corp., Citizens and Southern Bank Bldg., Atlanta, Ga., engrs.

Fla., Clearmont—Plans paving about 2 mi. various streets, 24 ft. $28,000. W. McKinney, mayor.

Fla., Eustis—Voted $25,760 bonds paving portions of Washington, Clifford, Boy Eustis and Citrus Sts.; $26,435 bonds Eustis, Dewey, Bay, Stevens, Exter and Orange Sts.; $30,840 bonds Grove and McDonald Sts. Jandon Eng. Co., Elberton, Ga., engrs.

Ala., Birmingham — Plans asphalt or bitulithic on 5 in. concrete surfacing 41st (or Spring) St. from 1st to 5th Aves., $57,220; macadam surfacing, sidewalks, etc., on 14th Pl. and Almeda St., $21,370; asphalt paving 11th St. $12,500; sidewalks, curbing, guttering and macadam surfacing Ave. V, Ensley, $5,360, 67th Pl., Woodlawn, $6,400; asphalt on 5 in. concrete paving 8th Ave., N., $11,575. A. J. Hawkins, City Hall, engr.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, rejected bids grading, bridging, bituminous macadam and waterbound macadam surfacing 10.02 mi. Rogersville-Pressmans Rd., 16 ft., State Aid Project 176, Hawkins Co. J. G. Creveling, highway comr.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 14 mi. Lexington-Madison Co. line Rd., 16 ft., Henderson Co.; also 6.5 mi. Waverly-Gorman Rd., 18 ft., Humphrey Co. J. G. Creveling, highway comr.

Tennessee—State Dept. Hys. & Pub. wks., Nashville, soon takes bids paving 8 mi. Marysville-Knox Co. line Rd., 18 ft., Blount Co., probably concrete; grading and surfacing 12 mi. Kingston-Knoxville Rd., 18 ft. Roane Co. J. G. Creveling, highway comr.

Tenn., Benton—Polk Co. voted $40,000 bonds improving 10 mi. Benton-McMinn Co. line Rd.

Kentucky—State Hy. Dept., Frankfort, rejected bids waterbound macadam surfacing 6 mi. Shelbyville-Lawrenceburg Rd., 12 ft., State Project 20-A, Shelby Co. Will readvertise. Noted July 17.

Ky., Catlettsburg—Boyd Co. plans improving Cannonburg-Catlettsburg Pike, Hoods Creek-Garner Rd. and Big Sandy-Lockwood Pike.

Ky., Central City—Plans election probably in November, $100,000 bonds for streets and sewers. L. Jackson, mayor.

Okla., Stillwater—Plans grading, curbing and concrete paving, 7,700 sq.yd. 7 blocks Hester and West 3rd Sts., $35,000. Wood & Fellows, Stillwater, engrs.

O., Cleveland—Cuyahoga Co., plans paving Wolf Rd. from Clegg Rd. to Co. line, $47,900; Sprague Rd., $25,600. F. Lander, Court House, engr.

O., Youngstown—Plans widening East Front St. from Market to Walnut Sts. $30,000. G. Turner, city engr.

Ill., Aurora—Rejected bids Aug. 4, grading, paving, widening, etc., Galenaway Project. $150,000. W. E. Deuchler, City Hall, engr.

Ill., Carlyle—Soon takes bids grading, 7 in. rein.-con. paving and integral curbing 1¼ mi. streets, 31, 34, and 58 ft. wide. $104,000. F. A. Lietze, City Hall, engr.

Ill., Herrin—Williamson Co. plans grading, brick on concrete or rein.-con. paving, etc. 4,500 ft. various streets. $50,000. Address city engineer.

Ill., Rockford—Making preliminary plans grading, curbing, guttering, hard-surfacing, etc., 6,000 lin.ft., Market, Hancock and Melrose Sts. $70,000. B. C. Harvey, City Hall, engr.

Ia., Centerville—Plans paving, etc., 18 blocks various streets. $60,000. H. A. Crane, city clk.

Minn., Fergus Falls—Plans paving, etc., 13 blocks various streets during 1925. $45,000. H. J. Collins, city clk.

Kan., Burlingame — Plans grading and paving 2 mi. of Santa Fe and Topeka Aves., 18 to 98 ft. wide. To exceed $50,000. Black & Veatch, Mutual Bldg., Kansas City, engrs.

Kan., Coffeyville—Soon takes bids paving 22,000 sq.yd. various streets, various types material. L. R. Marshall, Coffeyville, engr.

Kan., El Dorado — Butler Co. making preliminary plans grading 9.052 mi. Federal Aid Project 205, Sects. A, B, C, D and E, incl. four 5 x 8 ft. box spans, near here, also one 20 ft. slab, three 5 x 8 ft. box spans, two 30 ft., one 40 ft. deck girder and one 50 ft. deck girder spans, near White. H. D. Barnes, El Dorado, engr.

Neb., Allen—Making preliminary plans grading, draining, curbing, paving, sidewalks, etc., 5 blocks, 2nd and Clark Sts. K. C. Gaynor, 527 Trimble Block, Sioux City, Ia., engr.

Neb., Omaha — Plans widening Harvey St. between 24th and 26th Sts., also 24th and 26th Sts. between Harvey and St. Mary Sts. $75,000. H. Beal, engr.

South Dakota—State Hy. Comn., Pierre, plans grading, etc. 12 mi. Federal Aid Project 174, Union Co. $60,000. F. D. Hudgins, ch. engr.

Mo., Albany — Plans election $50,000 bonds, paving streets. E. T. Archer & Co., 609 New England Natl. Bank Bldg., Kansas City, engr.

Mo., St. Charles—St. Charles Co., making preliminary plans grading and gravel surfacing 2 mi. Portage Des Sioux Rd., near West Alton, $22,000; and asphalt rebuilding 4 mi. Boscherttown Rd., near St. Charles, $70,000. Address County Engineer.

Mo., St. Joseph—Bd. Pub. Wks., made plans repaving 9,790 sq.yd. 5th St. from Lafayette to Sylvania Sts., brick, $30,131, 4,460 sq.yd. Mulberry St., asphaltic concrete, $6,584; also grading 5th St. from 17th to 18th Sts., etc. W. K. Seitz, City Hall, engr.

Ark., Hughes—St. Francis Co. rejected bids improving Impvt. Dist. 5, 49,186 cu.yd. excav. 5,397 tons gravel 1 mi. haul, 204 ft. 30 in. culvert pipe, etc., as work was made Federal Aid and State Hy. Dept. Little Rock, awards contract. Noted July 31.

Ark., Little Rock—Bd. Comrs. Impvt. Dist. 5, St. Francis Co., at offices State Hy. Dept., rejected bids Aug. 8, improving 2.35 mi. Federal Aid Project 183-[illegible] 6.5 acres clearing, 13.67 acres grubbing, 59,888 cu. yd. earth embankment, 7,354 tons gravel hauled, etc.

Tex., Anderson—Grimes Co., voted $1,549,500 bonds, improving roads in Dists. 1 to 8 (inclusive), R. M. West, co. judge, Quarles, Adams & Gaines, Anderson, engrs. Noted Aug. 7.

Tex., Bonham—Fannin Co., making plans bituminous macadam paving 1 mi. Windom Dodd City Rd. $30,000. P. B. Price, Honey Grove, engr.

Tex., Austin — Making plans grading, etc., 7.92 mi. the Fredericksburg Rd. between Oak Hill and Co. line. $50,000. O. Leonard, co. engr.

Tex., Carrizo Springs — Dimmitt Co., made plans grading, surfacing, and bridging 11 mi. San Antonio-Eagle Pass Rd., $160,000. J. G. Lott, Carrizo Springs, engr.

Tex., Carrizo Springs—See "Streets and Roads."

Tex., Clairmont—Kent Co. voted $500,000 bonds grading and surfacing Ft. Worth-Roswell Rd. J. R. Ward, co. judge.

Tex., Cleburne — Making plans bituminous on concrete, paving North Wilhite and North Robinson Sts. $30,000. R. O. Whiteaker, city engr.

Tex., Dallas—Dallas Co., made plans macadam paving 3 mi. Colorado Blvd., from Colorado Ave. to Stevens Park, 100 ft., $50,000; curbing, guttering and concrete paving ½ mi. West Dallas, West Moreland Pike, 30 ft. $25,000. Nagle, Witt & Rollins, Court House, engrs.

Tex., Dallas—S. A. Leake, Great Southern Life Bldg., plans paving in 200 acre addition north of Preston Rd. and Lovers Lane. $150,000. Engineer not announced.

Tex., Dallas—J. F. Parks, 5520 Worth St., made plans bituminous paving streets in Park Estates. $50,000. Koch & Fowler, Central Bank Bldg., engrs.

Tex., Eagle Pass — Maverick Co. plans improving 38 mi. road connecting Maverick Co. with Meridian Highway at Dilley. $500,000 bonds voted. W. F. Huston, San Antonio, div. engr. State Hy. Dept.

Tex., Floresville—Wilson Co. soon takes bids hard surfacing 11 mi. highway. $300,000. W. F. Huston, Floresville, div. engr.

Tex., Refugio—Refugio Co. voted $150,000 bonds constructing roads in Woodsboro Rd. Dist. 2. J. T. Vance, co. judge.

Tex., San Antonio—Soon takes bids improving Rigsby Ave., Madison, Buckingham, Garden, Courtland, South Alamo, Guadalupe, South Medina, Theo, New Braunfels, Arzamora, North Flores, West Houston, Montana, McCollough, Laurel Heights, Bushnell, Castro, Grand, Evergreen, South Hackberry, Evergreen, Cypress, West Huisache, Rusk and Rockwood Sts. $450,000. I. Ewig, City Hall, engr.

Tex., Tyler — Smith Co., made plans bituminous surfacing 4 mi. Van Zandt Rd., $35,000; 3 mi. Lindale Rd., $25,000; 3 mi. Starville Rd., $25,000. J. K. Caldwell, Tyler, engr.

Tex., Tyler — Making plans permanent paving various streets. $150,000 bonds voted. L. H. Powell, Tyler, engr. Noted Aug. 14.

Tex., University Park (Dallas P. O.)—Voted $50,000 bonds, bituminous paving various streets. G. McClellan, city engr. Noted July 24.

Tex., Victoria — Victoria Co. having preliminary plans prepared highway improvement. $1,550,000. Terrell Bartlett, 612 Calcasieu Bldg., San Antonio, engrs. Noted Aug. 14.

Okla., Tulsa—Tulsa Co. soon takes bids grading and hardsurfacing 7 mi. Foydel-Red Oak-Keystone Rd., 18 ft. A. Patton, Tulsa, co. engr.

Okla., Buffalo—Buffalo Twp. and Harper Co. election Sept. 4, $40,000 bonds, paving road across county from Kansas state line. J. M. Page, Capitol Bldg., Oklahoma City, engr.

Okla., Comanche — Defeated $30,000 bonds grading and paving 3 blocks Hill St., 40 ft. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Aug. 21.

Okla., Sapulpa—Plans grading, curbing and concrete paving 8,100 sq.yd. Impvt. Dist 78. $35,000. F. E. Lawrence, Sapulpa, engr.

Calif., Compton—Made plans improving Palmer Ave., 27,480 sq.ft. sidewalks, 6,470 lin.ft. curbing, 213,650 sq.ft. grading, 213,650 sq.ft. 5 in. concrete paving, ornamental lighting system, etc.; also Magnolia Ave., 1,786 lin.ft. curbing, 37,245 sq.ft. grading, 37,245 sq.ft. 5 in. concrete paving, etc. E. M. Lynch, Central Bldg., Los Angeles, engr.

Streets and Roads (Continued)

Calif., Daly City—Plans grading, curbing and paving Risel, Oliver, Acton Sts., etc., 1½ in. asphalt wearing surface on 4 in. concrete. $25,000 or more.

Calif., Los Angeles — Plans improving 13,390 mi. Mesa, 13th, 15th, 16th, Meyles Sts., et al., 576,941 sq.ft. asphalt and 9,556 sq.ft. concrete paving, 8,230 lin.ft. concrete curbing, 26,781 sq.ft. concrete guttering, 69,063 sq.ft. concrete sidewalks, etc. $260,000. J. L. Griffin, city engr.

Calif., Pomona — Making plans paving East Holt Ave. between Reservoir St. and east city limits. $50,000 or more. F. C. Froehde, city engr.

Ont., Hamilton — Making plans asphalt paving Dundurn, Barton, Park Row and Roxborough Aves. $60,000. W. L. McFaul, city engr.

Ont., Scarboro—Scarboro Twp. making plans and soon takes bids asphalt paving ¾ mi. Kingston Rd., 42 ft. $79,696. C. E. Fraser, 1361 Kingston Rd., Toronto, engr.

BIDS DESIRED

Rhode Island—Sept. 10, by State Bd. Pub. Wks., State House, Providence, rein.-con. paving 6.18 mi. various roads, Contr. 2404, Federal Aid Project 23, Div. A.; adv. E. N.-R. Sept. 4.

Conn., New Britain—Taking bids rein.-con. paving Commercial St. between Main and Elm Sts. $25,000. J. D. Williams, city engr.

Conn., New Britain — Park Dept., City Hall, taking new bids macadam paving 8,000 ft. roads in Stanley Quarter Park. $25,000. Former bids rejected. J. D. Williams, City Hall, engr. Noted Aug. 14.

N. Y., Brooklyn—Sept. 10, by E. Riegelmann, boro. pres., Boro Hall, grading, curbing and flagging, Beverly Rd., Ave. M, Kings Highway, East 5th and 64th Sts., Bedford, and Brooklyn Aves.; also sheet asphalt paving Empire Blvd., Ave. K, New Utrecht, Driggs and 14th Aves., Montgomery, Noble, 64th, Columbia and Watkins Sts.

N. Y., Long Island City—Sept. 10, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sheet asphalt paving Pierce Ave.; grading, curbing and sidewalks on Junction Blvd., Lafayette, Lurting, Tory, Mt. Holyoke, Chauncey and Beach 30th Sts.

N. Y., New York—Sept. 10, by J. Miller, pres. Manhattan Boro., Municipal Bldg., grading and paving West 4th St. and Washington Sq., Park Terrace W. & Seaman Ave., West 84th, East 96th, East 121st and East 123rd, Sts.

N. J., Johnsonburg—Sept. 9, by Com. Frelinghuysen Twp., G. L. Armstrong, clk., at Polhemus Store, graveling 16,424 sq.yd. Hope-Johnsonburg Rd. H. W. Vetter, Belvidere, engr.

Pennsylvania—Sept. 23, by Dept. Highways, Harrisburg, bituminous or rein.-con. paving 15 mi. 7 projects in 7 counties. P. D. Wright, secy.; adv. E. N.-R. Sept. 4.

Pa., Meadville—Sept. 9, at office of D. Andrews, city clk., brick paving, concrete curbing and guttering various streets. R. L. Phillips, city engr.; adv. E. N.-R. Sept. 4.

Pa., Phila. — Sept. 17, by Delaware Bridge Joint Comn., 806 Widener Bldg., Phila., approach between 4th and 5th Sts., also street changes, etc., for bridge over Delaware River connecting here and Camden, N. J. J. K. Costello, secy.; adv. E. N.-R. Sept. 4.

N. J., New Brunswick—Sept. 8, by Twp. Com., concrete paving 4,578 sq.yd. Sect. 2, Mill Lane. R. P. Wilson, 46 Paterson St., engr.

N. J., Ocean City—Sept. 15, by Bd. City Comrs., guttering, sheet asphalt paving, etc., about 104,000 sq.yd. various streets and avenues. W. H. Collisson, Jr., city engr.; adv. E. N.-R. Sept. 4.

Pa., Phila.—Sept. 3, by G. H. Biles, dir. Pub. Serv., Schedule A, grading 53,212 cu.yd. Fanshawe, Gilham, Magee, McKinley, Unruh, Middleton, Cedar Park, Trinity, 67th and 16th Sts.; Schedule B, asphalt paving 7,285 cu.yd. Creswell, Penn, Pierce, Pratt, Rutland and Spencer Sts.; Schedule C, removing existing vitr. block pavement, and asphalt repaving 3,063 sq. yd. Pechin St.; Schedule D, paving 306 sq. yd. Fawn St.; Schedule E, improving 10,204 sq.yd. G St.

W. Va., Charleston—Sept. 8, by R. N. Moulton, clk. Kanawha Co., improving 1.4 mi. South Side Rd., Project 101, 1.4 mi. Charleston-Hamlin Rd., Project 107 and 950 ft. Coal River Rd., Project 151. F. G. Burdette, co. engr.

S. C., Aiken — Sept. 16, at office Bd. Comrs. Aiken Co., grading and sand clay surfacing 8,249 cu.yd. State Route 28, Federal Aid Project 16. Address State Highway Engineer, Columbia.

S. C., Barnwell—Sept. 17, at office Bd. Directors Barnwell Co., grading, bridging and sand clay surfacing 26,718 cu.yd. State Route 28, Federal Aid Project 12, also 50,183 cu.yd. State Route 281, Federal Aid Project 32. W. C. Gathey, Scovil Bldg., Orangeburg, engr.

S. C., Lexington — Sept. 15, by Bd. Comrs. Lexington Co., grading and sand clay surfacing 21,250 cu.yd. State Rd. 6, State Project S-519

Fla., Fort Meade—Sept. 15, paving various streets. $60,000. J. T. Hancock, Fort Meade, engr.

Miss., Belzoni—Sept. 23, by Bd. Supervs. Humphreys Co. at office c/o Chauncery Clerk, improving 4,196 mi. Federal Aid Project 179-A, 1,704 cu.yd. excav., 37,174 cu.yd. borrow, 382 ft. 18 in. pipe, 4,049 lb. reinforcing, 4.03 mi. Bermuda sod, 44,371 sq.yd. concrete paaving, etc. H. C. Dietzer, Jackson, engr.

Miss., Calhoun City—Sept. 18, bu Bd. Supervs. Calhoun Co. at office Chauncery Clerk, improving 5 mi. Federal Aid Project 152-B, 25,000 cu.yd. excav., 22,000 cu.yd. borrow, 2,000 ft. 18 in. vitr. clay pipe, 36,000 lb. reinforcing, also bridge over 20 ft. span, 60,000 ft. creosoted timber, 3,200 ft. untreated timber and 3,000 ft. creosoted piling. H. C. Dietzer, City Bldg., Jackson, engr.

Miss., Cornith — Sept. 17, by Bd. Supvrs. Alcorn Co. improving 3.74 mi. Federal Aid Project 178, 8.79 acres clearing and grubbing, 22,726 cu.yd. excav., 8,614 cu.yd. borrow, 452 ft. 18 in. pipe, 18,632 lb. reinforcing, 2.5 mi. Bermuda sod, 8,775 cu.yd. gravel 1 mi. haul, 28,340 units gravel overhaul, etc. H. C. Deitzer Jackson, engr. Also bids on gravel.

Miss., Decatur—Sept. 11, by Bd. Supervs. Newton Co. c/o Chancery Clerk, improving 0.795 mi. Federal Aid Project 6, 595 cu.yd. excav., 33,365 cu.yd. borrow, etc.; bridge over 20 mi. span, 10,630 lb. reinforcing, 43,570 lb. structural steel, 40,194 ft. creosoted timber etc. H. C. Deitzer City Bldg., Jackson, engr.

Miss., New Albany—Sept. 16, by Bd. Supervs. Union Co., c/o Chauncery clerk, improving 14,829 mi. Federal Aid Project 173-A and 177-A, 3.48 acres clearing and grubbing, 69,659 cu.yd. excav., 65,341 cu.yd. borrow, 1,320 ft. 15 and 18 in. pipe, 40,789 lb. reinforcing, 23,137 cu.yd. gravel 1 mi. haul, 93,288 units gravel overhaul, 104,400 sq.yd. mixing gravel with binder, 8.5 mi. Bermuda sod, etc., etc.; also bridges, incl. 235,230 ft. cresoted timber, 12,080 ft. untreated timber, 8,962 ft. creosoted piling, two 80 ft. steel spans, 31,470 lb. structural steel, 1,480 lin.ft. piling, etc. H. C. Dietzer, City Hall, Jackson, engr.

O., Akron—Summit Co. taking bids improving with slag, 1.14 mi. Sect. B1-Hammonds Corners-Ira Rd., $30,000, and 1.4 mi. Sect. A2-Vaughn-Twinsburg Rd., $30,000; concrete, asphalt or macadam paving 1.2 mi. Sect. A2-Flickeringer-Sanitarium Rd., $35,000, all 20 ft. wide. R. E. Williams, Court House, engr. Noted July 24.

Michigan—Sept. 8, by State Hy. Dept. at office Comrs. Manistee Co., Manistee, grading and paving 4.962 mi. Federal Aid Project 129-A1, 52,693 sq.yd. 6 in. concrete; 6.835 mi. Federal Aid Project 129-A4, 73,316 cu.yd. concrete; 0.868 mi. Federal Aid Project 129-A3, 10,189 sq.yd. concrete; 5.088 mi. Federal Aid Project 129-A2, 52,898 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—Sept. 9, by State Hy. Dept. at office Comrs. Benzie Co., Beulah, grading and concrete paving 0.639 mi. S.T.L. 22-14B. G. C. Dillman, Lansing, ch. engr.

Michigan—Sept. 9, by State Hy. Dept., at office Comrs. St. Clair Co., Port Huron, shaping and surfacing 1.038 mi. S.T.L. 27-22, 11,497 sq.yd. 8 in. concrete. G. C. Dillman, Lansing, ch. engr.

Ill., Vandalia—Sept. 11, by R. C. Mahon, city clk., grading laying sewers, brick or rein.-con. paving, concrete curbing, 8,200 sq.yd. West Gallatin St. $32,711 to $35,845, A. H. Beard Eng. Co., 616 Title Guaranty Bldg., St. Louis, Mo., engrs.

Wis., Beloit—Sept. 5, at office of Pub. Wks. Comn., 14,800 lin.ft. concrete combined curb and gutter, on 9th, 10th and 11th Sts. between St. Lawrence and Liberty Sts., 28 ft. G. E. Heebink, city engr.

Kan., Erie—Sept. 19, by Clerk Neosho Co., improving 6.952 mi. Federal Aid Project 242-A, 18 ft., 2,225 ft. hedge, 2,690 ft. stumps, 684 ft. 15- to 28-in. rein.-con. pipe, 15,788 lb. reinforcing, 15,788 cu.yd. gravel, etc. O. T. Reese, co. engr. Noted Aug. 7.

Kan., Osborne — Sept. 25, by Clerk Osborne Co., improving 3.493 mi. Federal Aid Project 170-D, 26,332 cu.yd. earth and 1,073 cu.yd. rock excav., 7,786 cu.yd. gravel, 18,673 lb. reinforcing, 18,383 units over haul, etc. E. E. Clark, Osborne, engr.

N. D., Crosby—Sept. 11, by Divide Co., grading, etc., 10.4 mi. Federal Aid Project 257A, 77,365 cu.yd. earth and 3,066 cu.yd. rock excav., 1,620 cu.yd. overhaul, 2,822 lin.ft. 18- to 30-in. metal or concrete pipe culverts; graveling 11 mi. Federal Aid Project 79A and B, 15,282 cu.yd. load, unload, spread and screen, 87,963 cu.yd. mi. gravel haul, 1,500 cu.yd. strip pits. $40,000. R. H. Lynch, co. aud.

Tex., Boston — Sept. 18, by Commissioners Court Bowie Co., grading and graveling 1.21 mi. and 5.3 mi. Boston-Curley Rd. F. E. Hess, co. engr. Noted June 12.

Tex., Houston — Taking bids paving Market and Whitley Sts. $25,000. J. C. McVea, city engr.

Tex., Longview — Taking bids curbing, guttering and 32,000 sq.yd. warrenite bitulithic, amesite or uvalde rock asphalt paving various streets. $100,000. Elrod Eng. Co., 3174 Elm St., Dallas, engrs.

Tex., Waco—Sept. 22, by G. D. Field, city secy., paving 29,000 yd. German, West and Austin Sts. $90,000. V. G. Koch, city engr. Noted July 21.

Tex., Wichita Falls—Sept. 15, by Commissioners Wichita Co., grading, graveling and bituminous macadam surfacing 15 mi. Electra K-M-A Rd. $200,000. J. M. Isbell, co. engr.

Tex., San Antonio—Taking bids paving 10 various streets, also widening portions of Market and South Flores Sts. $400,000. I. Ewig, c/o City Hall, engr. Noted Aug. 21.

Okla., Fairfax—Sept. 9, by J. N. Fly, city clk., grading curbing, guttering and vertical fibre brick paving 12,600 sq.yd. 6th, 7th, Mulberry Park, Ash and Locust Sts., $71,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Aug. 7.

Oklahoma—Sept. 9, by State Hy. Dept., Oklahoma City, improving 4.7672 mi. State Project 20, 6,222 cu.yd. excav., 36,022 cu.yd borrow, 6,805 cu.yd. gravel, 65,153 lb. reinforcing, 78,840 lb. fabricated steel, etc.; 5,4211 mi. Federal Aid Project 33-A 23,701 cu.yd. earth, 1,120 cu.yd. loose rock and 797 cu.yd. solid rock excav., 35,250 lb. reinforcing, etc.; 4.444 mi. Federal Aid Project 73-B and C. 17,697 cu.yd. earth, 1,691 cu.yd. loose rock and 1,691 cu.yd. solid rock excav., 6,700 lb. fabricated steel, etc.; 9.013 mi. Federal Aid Project 114, 13,767 cu.yd. earth, 670 cu.yd. loose and 814 cu.yd. solid rock excav., 67,000 lb. fabricated steel, etc.; 6.027 mi. Federal Aid Project 127-A, 23,727 cu.yd. earth, 1,027 cu.yd. loose and 2,004 cu.yd. solid rock excav., 15,087 lb. reinforcing, etc.; Federal Aid Project 148, 4,382 cu.yd. gravel or crushed stone, 2,569 cu.yd sand, etc. J. M. Page, highway engr.

Okla., Blackwell—Sept. 8, by D. Randall, city clk., improving 7 blocks Dist. 25, 6,000 sq.yd. concrete, 4,100 lin.ft. curbing, 2,100 cu.yd. earth excav., etc. $27,000. W. Ritzhaupt, Blackwell, engr. Noted Aug. 7.

Washington — Sept. 16, by State Hy. Comn., Olympia, grading and crushed rock surfacing 5.2 mi. State Rd. 10, Chelan-Okanogan Rd., Chelan-Okanogan Co. J. Allen, Olympia, engr.

Washington—Oct. 7, by State Hy. Comn., Olympia, paving 5.5 mi. State Rd. 3, Inland-Empire Highway, Walla Walla Co.; 2.8 mi. State Rd. 11, Central Washington Highway, Spokane Co.; 6.2 mi. State Rd. 5, National Park Highway, Pierce Co., J. Allen, engr.

Calif., Glendale—Taking bids improving Brand Blvd., Forest and Glendale Aves., 28,700 sq.ft. grading, 18,320 sq.ft. 5-in. asphaltic concrete paving, 1,345 sq.ft. 5-in. concrete paving, 1,360 sq.ft. sidewalks, curb, etc. B. Dupuy, city engr.

Calif., Santa Ana—Supervs. Orange Co., J. M. Backs, clk., taking bids 7 in. concrete paving, 5 mi. West 17th St., 18 ft. wide, county to furnish 11,500 bbl. cement. J. L. McBride, co. rd. comr.

Calif., Santa Ana—City Trustees taking bids improving Santa Clara Ave., 201,058 sq.ft. 5-in. concrete paving, 8,745 ft. curb, 979 lin.ft. 6-in. sewer with house connections, etc. W. G. Knox, city engr.

Calif., South Pasadena—City Trustees taking bids improving Sycamore and Pasadena Aves., 39,000 sq.ft. 5 in. concrete pavement, 10,000 sq.ft. 3 in. macadam pavement, 2,600 sq.ft. sidewalks, 3,200 lin. ft. curb, 1,000 lin.ft. 4 in. and 1,100 lin.ft. 6 in. c.i. mains, etc.; also Lyon and Pacific Aves., 3,500 sq.ft. 3 in. macadam pavement, 6,100 sq.ft. 1 in. oil and gravel, etc.

Ont., Windsor—Sept. 9, by W. P. Coyle, Sandwich, 22,000 sq.yd. concrete pavements in Division Rd., Main St., in Kingsville and Lesperance Rd. in Tecumseh, for Suburban Area Comn. and Essex Co. $50,000. J. J. Newman, Davis Blk., engr.

Streets and Roads (Continued)

BIDS RECEIVED

Massachusetts — Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, surfacing and grading West Border Rd. and Pleasure Dr., in West Roxbury, from J. H. Fannon, 28 Hinkley St., Somerville, $31,313.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Aug. 27, grading sidewalk space and laying sidewalks on Ave. D, etc., from P. Marconi & Son, $1,478; asphalt repaving Heyward St. and Willoughby Ave., from Cleveland Trinidad Paving Co., Flushing, $46,738 and $50,436 respectively, Patchen and Rockaway Aves., from Borough Asphalt Co., 1301 Metropolitan Ave., $82,122 and $11,001 respectively, Willoughby St., from Uvalde Asphalt Co., 1 Bway., New York, $10,526; regrading sidewalk space and laying sidewalks, etc., on Rochester Ave., from Grimm Contg. Co., 170 McKinley St., $1,716; curbing, flagging, etc., West 33rd St., from J. J. Guinan Contg. Co., 2314 Gravesend Ave., $13,430; granite block repaving 39th St., from J. D. Norton, 20 Sterling Pl., $7,180. Noted Aug. 21.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., Aug. 26, from A. A. Johnson Corp., Queens Blvd., asphalt block repaving Astoria Ave., $165,466; from W. P. McDonald Constr. Co., 17 West 42nd St., New York, sheet asphalt repaving Main St. $41,265, Lefferts Ave. $23,328, 122nd St. $6,380; from Uvalde Asphalt Paving Co., 1 Bway., New York, grading, curbing, laying sidewalks and asphalt paving 12th Ave. $10,217; from H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, grading sidewalk, gutter space, curbing and laying sidewalks on 88th Ave., $1,211; from Highway Impvt. & Repair Co., 501 Bloomfield Ave., Montclair, N. J., sheet asphalt paving 113th St. $21,421, 115th St. $11,110, Lefferts Blvd. $63,750, sheet asphalt repaving Metropolitan Ave. $116,630, Woodhaven Ave. $45,015, grading, curbing, laying sidewalks and asphalt paving Lafayette St. $11,230; from J. J. O'Brien, Jr., William St., Jamaica, grading, curbing and laying sidewalks, etc., on 115th St. $8,421. Noted Aug. 21.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro. Hall, Aug. 25, granite block repaving Bay St., from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $84,233; concrete repaving Brielle Ave., also grading roadway of Westervelt Ave., etc., from J. Kelly, 1150 Forest Ave., West New Brighton, $19,199 and $18,275 respectively. Noted Aug. 21.

New Jersey—State Hy. Dept., Trenton, Aug. 25, concrete paving 12,150 sq.yd. Route 18, Sect. 1, in Alpine, Bergen Co., from J. J. McGarry, Edgewater, $115,024; 23,599 sq.yd. Route 5, Sect. 13, Budd Lake-Netcong, Morris Co., from Pub. Serv. Production Co., 80 Park Pl., Newark, $103,280.

Pennsylvania—Dept. Highways, Harrisburg, **(R. means Route and A. Application)**, rein.-con. surfacing R. 258, A. 2883 and 2908, Erie Co., from Jamieson & Narlee Co., Fredonia, $169,991; A. 1381, Lycoming Co., from T. B. Evans, 344 Ferry St., Danville, $124,969; R. 30, A. 3037, Perry Co., from Union Paving Co., 30th and Locust Sts., Phila., $172,691; A. 2003, York Co., from P. R. Hostetter Co., Inc., York, $158,549; A. 1302, Bucks Co., from Haydock-Martin Co., Inc., 20 South 15th St., Phila., $51,622; R. 214, A. 2981, Armstrong Co., from S. Gamble Co., Glass St., Carnegie, $56,799; R. 268, Washington Co., from Petriello Bros., Brownsville, $44,403; A. 2577, Clarion Co., from Standard Paving & Contg. Co., 10 East Ohio St., Chicago, Ill., $95,153; A. 1468, Fayette Co., from F. S. Wilson, Kittanning, $86,304; A. 985, Indiana Co., and A. 1998, York Co., from F. E. Fish, 116 Stockton St., Elkton, Md., $71,179 and $47,654 respectively. Noted Aug. 27.

Minn., St. Paul—Asphaltic concrete paving, etc. 16,109 sq.yd. Wheelock Parkway between Como Ave. and Mackubin St., from Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., $57,700.

Colorado—State Hy. Dept., Denver, concrete paving 1.439 mi. Federal Aid Project 279-A, Arapahoe Co., from A. J. Collins, 2363 Blake St., Denver, $42,016, engrs. est. $47,628; graveling 2.594 mi. Federal Aid Project 267-A, Los Animas Co., from Pople Bros. Constr. Co., 748 West Main St., Trinidad, $25,583, engrs. est. $27,140, 12.92 mi. Federal Aid Project 272-A, Pueblo Co., from Sheilds & Kyle, Pagosa Springs, $103,769, engrs. est. $132,224. Noted Aug. 7.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Div. Highways, Boston, bituminous concrete paving 3,250 ft. road in Plympton, to O. R. Mann, South Hanover, $14,300; bituminous macadam paving 2,250 ft. in Rockport, to J. W. Watkins, Amesbury, $11,612. 2,218 ft. in Oxford, to J. Laurenzi, Leominster, $12,580, 5,657 ft. in Westwood to P. J. Keating, 280 Main St., Fitchburg, $55,708, 13,537 ft. in Lawrence and North Andover, to L. C. Carchia, 208 Bellevue St., West Roxbury, $177,318. Noted Aug. 7 and 14.

Mass., Medford—Paving various streets, to M. Kelly, Peabody. Engrs. est. to exceed $25,000.

Mass., Quincy (Boston P. O.)—Widening Franklin St., to E. C. Sargent, 149 Putnam St., $19,925. Noted July 31.

N. J., Freehold—Monmouth Co., concrete paving 1.63 mi. West Long Branch-Interlaken Rd., to Jannarone Constr. Co., 225 Passaic Ave., Belleville, $70,418.

N. J., Newton—Sussex Co., paving North Church-Franklin Rd., 12,340 sq.yd. concrete, to S. B. Martin, Sussex, $45,068. Noted Aug. 7.

Pennsylvania — Dept. Highways, Harrisburg **(R. means Route and A means Application)**, grading and rein.-con. surfacing 30,963 sq.yd. R. 181, A. 2130, Allegheny Co., to Mosteller & Virgin, Wilkinsburg, $178,794, 18,450 sq.yd. A. 2735, Jefferson Co., to Milliron Constr. Co., Du Bois, $102,905, 48,799 sq.yd. A. 2839 and 2861, Somerset Co., to Corrado & Galiardi Constr. Co., Connellsville, $244,732, 10,740 sq.yd. A. 2616, Somerset Co., to Vipond, Strite & Moore, Hollidaysburg, $52,294, 26,114 sq.yd. R. 183, A. 2118, Columbia Co., to J. Christiano, Shamokin, $125,642, 38,605 sq.yd. R. 304, A. 3140, Erie Co., to C. H. Frey Constr. Co., Erie, $196,789, 70,551 sq.yd. R. 63 and Spur, Indiana Co., to R. H. Cunningham & Son, Turtle Creek, $324,756; grading, etc. 20,655 ft. R. 944, 16 ft., Elk Co., to L. F. Edwards, Greensburg, $37,219. Noted July 24.

Pa., Phila. — Bureau Hys., Dept. Pub. Wks., to R. B. Wenner, 3106 Midvale Ave., grading Barcalow St. $3,881, Courtland St., $435, Luray St. $699, to Manayunk Coal & Lime Co., Main and Umbria Sts., Lauriston St. $3,645, to H. C. Irvin, 721 Walnut St., Mutter and Waterloo Sts. $1,957, to Dewees Bros., 5804 North Marshall St., Napa St. $1,046; to Eastern Paving Co., 401 Colonial Trust Bldg., asphalt paving, Blavis and Reese Sts. $6,195, Emlen St. $6,978, Glenwood St. $10,496, Kingston St. $4,986, to Barber Asphalt Co., 239 North 30th St., C St. $11,575. Hanson St. $4,657, Limekiln St. $17,290, Mitchell St. $26,774, to Union Paving Co., 30th and Locust Sts., Lambert and Woodstock Sts. $4,309, repairs to paving and sewer in Wood St. from Broad to 15th Sts., $6,815, to Mack Paving & Constr. Co., Nicetown Lane & Luzerne Sts., asphalt paving Pratt St. $6,036, Wagner St. $5,157; to A. J. Henderson, 5807 Chew St., vitr. block paving Bringhurst St. $2,971; to Acchione & Canuso, 864 South 12th St., granite block paving Manayunk St. $6,827; to F. W. Lovett, Newark, Del., improving Walnut Lane, Roanoke and Sedgwick Sts. $11,943; to B. Foster, 200 Venango St., furnishing and delivering bituminous topping, $2,150. Noted Aug. 14.

Pa., Pittsburgh—City **(e. e. means engrs. est.)**, to Booth & Flinn, Ltd., Forbes Sts., repaving Charters Ave. $35,199, e. e. $40,000, Hamilton Ave. $25,187, e. e. $26,000, grading, curbing and paving Lawson and Forbes Sts., $33,598, e. e. $35,000; to Payne Bros., 200 South 21st St., repaving South 18th St. $31,199, e. e. $26,000; to M. O'Herron Co., South 1st and McKean Sts., grading, curbing and paving Peebles St. and South Negley Ave., $33,071. Noted Aug. 14.

W. Va., Beckley—Raleigh Co., grading, etc., Abney-Farley Hill Rd., in Slab Fork Dist., to Dougher-Boone Constr. Co., Charleston, $45,584. Noted May 15.

W. Va., Phillippi—Barbour Co. vituminous macadam surfacing Audra Project, Valley Dist., and Boulder Project, Union Dist., to Bramham & Edwards, Clarksburg, $61,529 and $52,800 respectively; Talbott Project, Valley Dist., to Monongahela Constr. Co., Fairmont, $60,859. Noted Apr. 10.

North Carolina — State Hy. Comn., Raleigh, grading and concrete paving 80,000 sq.yd. various roads, to C. M. Dicus, Waynesville, $235,034.

S. C., Sumter—Sumter Co. Permanent Rds. Comn., hard surfacing 6 mi. Camden Rd., and 15.5 mi. Shiloh Rd., to Slattery & Henry, Greenville, $160,859 and $183,292 respectively; 5.1 mi. Paxville Rd., to R. G. Lassiter, Citizens Bank Bldg., Raleigh, N. C., $138,501. Noted July 31.

S. C., Winnsboro—Fairfield Hy. Comn., topsoiling 7.75 mi. Federal Aid Project 213, to W. N. Thompson, Burlington, N. C., $38,983. Noted July 31.

Fla., Miami—Dade Co. will build 13 mi. Key Largo Rd. from Florida to Card Sound, by day labor. Former bids rejected. Noted July 3.

Ala., Birmingham—City (e. e. means engineers estimate), to J. L. Mallarky, 2400 Ave. J, 8 blocks 4 ft. concrete sidewalks on Pike Rd., Ensley, $1,188; e. e. $1,200; macadam surfacing 5 blocks 7th Pl., 40 ft., $5,832, e. e. $6,000; to [illegible] N. Bowdry, Farley Bldg., concrete paving [illegible] blocks 1st Ave. on railway tracks, $900; [illegible] blocks 48th St., 40 ft., $13,450, e. e. $14,000, 3 blocks McMillen Ave., 40 ft., $16,657, e. e. $17,000, 2 blocks 12th Ave., 30 ft., $7,874, e. e. $8,000; to J. L. McPoland, 831 Woodland Ave., 6 blocks 4 ft. sidewalks on Fulton and 2nd Aves., $1,478, e. e. $1,500; to J. Fromhold, 1808 Lee Ave., concrete surfacing 6 blocks 33rd and 34th Aves., $3,328, e. e. $3,500; to P. Richter, 1805 Pearson Ave., cement sidewalks on 7 blocks 5th Ave. N., 4 ft., $4,107, e. e. $4,500; to Southern Roads Co., 104 North 17th St., asphaltic concrete surfacing 4 blocks 77th St., $30 ft., $10,399, e. e. $11,000.

Miss., Corinth—Sheet asphalt surfacing Jackson, Taylor, Webster and other streets, 12,683 cu.yd. excav., 15,075 ft. concrete curb and gutter, 200 sq.yd. alley paving, 1,336 lin.ft. stone headers, 1,845 ft. 15 in. vitr. pipe, 900 cu.yd. gravel, 21,667 sq. yd. sheet asphalt, etc., to Carey Reed Co., Lexington, Ky., $52,101. Noted July 24.

Miss., Yazoo City—Grading and gravel surfacing 3 mi. in Beat 2, 18 ft., to H. P. Russell, Yazoo City, at $1,425 per sq.yd.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project)** grading 16.71 mi. Somerville-Shelby Co. line Rd., 18 ft., F. A. P. 18-A, Fayette Co., to Myers Constr. Co., Hattiesburg, Miss., $107,426, 10.02 mi. Huntingdon-Madison Co. line Rd., 18 ft., F. A. P. 51-A, Carroll Co., to Little & Dean Co., Memphis, $104,435, 7.65 mi. Tipton Co. line Shelby Co. line Rd., F. A. P. 38-A, Fayette Co., to C. J. McFarlin, Keeling, $56,012, 13.67 mi. Bolivar-Fayette Co. line Rd., 18 ft., F. A. P. 19-A, Hardeman Co., to S. K. Jones & Co., Rand Bldg., Memphis $75,298; grading and gravel surfacing 9.48 mi. Coffee Landing-Tennessee Co. line Rd., 8 ft., S. A. P. 174, Hardin Co., to Bearden & Scott, Iuka, Miss., $69,267; grading and bituminous macadam surfacing 0.85 mi. Cookeville Rd. from Court House to County line, 16 ft., S. A. P. 123-B, Putnam Co., to Jefferson Co. Constr. Co., Louisville, $19,273. Noted July 31.

Kentucky — State Hy. Dept., Frankfort, waterbound macadam surfacing 4.5 mi. Shelbyville-Taylorsville Rd., 12 ft., State Project 46-E, Shelby Co., to Gay-Coleman Co., Winchester, $32,965, 3.2 mi. Georgetown-Cynthia Rd., 14 ft., State Project 58J, Scott Co., to Murphy Hinton Co., Georgetown, $30,354; bank graveling 4.57 mi. Owensboro-Hartford Rd., 14 ft., State Project 11-A-1, Daviess Co., to Ellis & Smeathers Co., Owensboro, $41,053.

Kentucky—State Hy. Dept., Frankfort, **(S. P. means State Project, F. A. P. means Federal Aid Project,)** waterbound macadam resurfacing 8.3 mi. Shepherdsville-Louisville Rd., 14 ft., S. P. 46-A, Bullitt Co., to G. M. Eadz Co., Louisville, $82,920; waterbound macadam surfacing 8.45 mi. Elizabethtown-Barkstown Rd., 14 ft., S. P. 64-A, Hardin Co., to Billiter & Wiley, Covington, $169,90[illegible] 6.7 mi. Richmond-Mt. Vernon Rd., 16 ft., S. P. 5 K, Madison Co., to J. H. Hostetler, Lexington, $94,910, 9.5 mi. Marysville-Lexington Rd., S. P. 20-L, Mason Co., to Bayles Paynter Co., Danville, $82,447; rock asphalt surfacing 3.548 mi. Bowling Green-Bear Wallow Rd., 18 ft., S. P. 61-B, Warren Co., to R. G. Price, Bowling Green, $156,970, 1.25 mi. Providence Spur Rd., 18 ft., S. P. 2-A, Webster Co., to N. E. Stone, Co., Madisonville, $40,353; surface treating 2 mi. Bowling Green-Morgantown Rd., 16 ft., S. P. 11-F, Warren Co., to R. B. Tyler Co., 114 South 4th St., Louisville, $2,140, 3.384 mi. Russellville-Morgantown Rd., S. P. 11-B, Sect. a, Logan Co., to F. G. Breslin, 32nd and Market Sts., Louisville, $4,043, 9.3 mi. Vanceburg-Naysville Rd., 14 ft., S. P. 20-N-1 and 3, Lewis Co., to Standard Asphalt Sales Co., 57 Wiggins Bldg., Cincinnati, Ohio, $9,357, 8.287 mi. Russellville-Clarksville Rd., S. P. 80-A-W, Logan Co., to R. B. Tyler Co., 114 South 4th St., Louisville, $11,592; grading 7.056 mi. Glasgow-Burksville Rd., 24 and 28 ft., S. P. 40-A, Metcalf and Cumberland Counties, to S. D. Pace & Co., Waterview, $144,076, 9.941 mi. Beattyville-Bonneville Rd., S. P. 31-A, Lee and Owsley Counties, to Ahea Bros., Knoxville, Tenn. $211,996, 11.409 mi. Leitchfield-Elizabeth Rd., 24 and 28 ft., S. P. 12-A, Grayson Co., to Costello Bros. Henson Bldg., Knoxville, Tenn., $61,988, 10.941 mi. Irvine-Beattyville Rd., S. P. 29-B, Estill Co., to Irvine Constr. Co., Irvine, $239,918; river gravel surfacing 11.64 mi. Calhoun-Central City Rd., 16 ft.

Streets and Roads (Continued)

S. P. 10-B, McLean Co., to Daviess Constr. Co., Maceo, $178,103; 5.35 mi. Liberty-Standford Rd., 16 ft., S. P. 3-A, Casey Co., to Moynahan & Turner, Lexington, $87,687; saving 1.3 mi. Greenup-Ashland Rd., 18 ft., S. P. 29-E Greenup Co., to Eaton Oil Works, Sterrett and Louisville & Nashville R.R., Cincinnati, O. $4,802.

Ky., Paducah—Concrete sidewalks, curbing and guttering 12 streets in south, west and north sections of city, to G. W. Robinson & Co., Owensboro, $53,387. Noted July 24.

O., Cleveland—To Roehl Bros., 7002 Lorain Ave., improving North Rd. $28,197, Thrush Ave., $41,717, West 127th St. $8,162, West 128th St. $10,062, West 129th St., $12,399; to Freshwater Constr. Co., Natl. Bldg., Silk Ave. $5,992, Amberly Ave. $20,924, West 32nd St. $5,432; to River Constr. Co., Mapledale Ave., East 117th St. $6,160, East 127th St. $25,925; to H. G. Herring, Pavers Exchange, Alcoy Rd. $9,498, Algonic Rd. $13,415; to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, Griffing Ave. $60,381, East 142nd St., Sect. 1 $47,751; to A. M. Pejsa Paving Co., 3161 Derbyshire Rd., East 142nd St., Sect. 2 $46,011; to W. E. McHugh, West 73rd St. and Western & Lake Erie R.R., West 28th St. $16,219. Work involves 35,634 lin.ft. 4 in. drain tile gutter, 33,505 cu.yd. earth excav., 37,049 lin.ft. stone curbing, 14,070 sq.yd. asphalt and 44,880 sq.yd. vitr. brick.

O., Cleveland—Cuyahoga Co., curbing, guttering and vitr. brick paving 18,730 cu.yd. St. Clair Ave., to F. B. Stein, Euclid, $119,000, also 6,530 cu.yd. Summit Ave., to Enterprise Paving & Constr. Co., 8444 Bway., $47,508. Noted July 10 and 31.

O., Cleveland — Cuyahoga Co., grading, guttering and waterbound macadam paving 8,500 sq.yd. West 173rd St. Bridge, to Lake Erie Constr. Co., Marshall Bldg., $42,870. Engrs. est. $44,500.

O., Cleveland Heights (Warrensville P. O.)—Curbing, guttering and asphalt paving Beverly and Glenmont Rds., to Bentley Bros., 3030 Euclid Ave., $33,710 and $7,207 respectively; Bluestone Rd., to Baldwin Bros., 4500 Euclid Ave., $43,078.

O., Columbus—W. H. Duffy, dir. Pub. Serv., to F. E. Terry & Co., Columbus, grading, laying necessary water services and sewer connections, and concrete paving 642 ft. alley north Frambes Aves., 23.5 ft. $4,222, 880 ft. alley north 10th Ave., 15 and 25 ft. $5,174, 656 ft. alley north Patterson Ave., 18 ft. $3,541, 1,036 ft. alley west Martin St., 15 ft. $4,476, 876 ft. alley north Northwood Ave., 20 ft. $4,762, to Yale Constr. Co., 146 Yale Ave., 754 ft. alley north Oakland Ave., 20 ft. $4,171, 494 ft. Wall St., 20 ft. $2,861, to J. O. Jones, 303-4 Wesley Blk., 158 ft. alley north Susamore St., 20 ft. $930, to Federal Paving Co., 996 McAllister Ave., 594 ft. alley north Lorain Ave., 15 ft. $2,718; to Knight & Wells, 483 Oak St., asphalt paving, etc., 1,403 ft., Bassett St., 24 ft. $19,912, to Franklin Asphalt Paving Co., 209 South High St., 1,817 ft. 22nd St., 24 ft. $28,021, to B. F. Patterson, 1214 Neil Ave., 1,067 Milford Ave., 24 ft. $13,367, to A. G. Pugh, 401 Commerce Bldg., 582 ft. Clifton Ave., 26 ft. $8,319.

O., St. Clairsville—Belmont Co., grading and concrete paving Flushing-Holloway Rd., to C. Bell & Sons, New Athens, $46,070; tar bound macadam paving, Neffs-Willow Grove Rd., to Dougherty Constr. Co., Steubenville, $59,953. Noted July 17.

O., Steubenville—Jefferson Co., concrete paving 1.702 mi. ICH 7 Rd. between Georges Run and Brilliant, 20 ft., to Merriner Contg. Co., Athens, $125,300.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving Route 30, Sect. 12-A, Stark Co., to Cameron, Joyce, Smith, Elder Co., Keokuk, Ia., $6,826, at Illinois State Normal University, to Porter-McCulley Constr. Co., Mackinaw, $2,684, Southern Illinois State Normal University, to Hamilton-Hoffman Constr. Co., Carbondale, $4,066; grading Route 10, Sect. 19-S, Sangamon Co., to I. M. Dudley Constr. Co., 919 East Washington St., Springfield, $12,511, Route 2, Sect. 63-A, McLean and Woodford Counties, to E. M. Roche, 309 Second Natl. Bank Bldg., Freeport, $11,684; bridges on Route 9, Sect. 39-B, Fulton Co., to Varney & Connors, Jerseyville, $18,672; tile line on Route 10, Sect. 19-T, Sangamon Co., to B. F. Nelch, 921 East Jackson St., $6,865. Noted July 31.

Ill., Chicago—City (e. e. means engineers estimate), improving 2,700 ft. Michigan Ave., 26 ft., from Smith & Brown, 128 North La Salle St., $61,599, e. e. $66,377, 5,300 ft. Arthur Ave., 30 ft., from White Paving Co., 130 South Wells St., $124,150, e. e. $134,343, 1,350 ft. 81st St., 28 ft., from Amer. Asphalt Paving Co., 133 West Washington St., $26,960, e. e. $29,516; 1,122 ft. Sacramento Ave., 24 and 28 ft., from Commonwealth Impvt. Co., 133 West Washington St., $60,597, e. e. $64,071; 8,150 ft. Forest Glen Ave., 24 and 30 ft., from J. V. McCarthy, Arcade Bldg., asphalt $139,846, e. e. $150,000, willite $130,747, e. e. $138,500; 2,315 ft. Narragansett Ave., 30 ft. and 1,350 ft. Lavergne Ave., 30 ft., from J. A. Sackley Co., 4608 Belmont Ave., $42,815 and $26,568 respectively, e. e. $45,200 and $28,319 respectively.

Ill., Galesburg — Improving 5 blocks North Kellog St., 5,240 sq.yd. vitr. brick paving 3,740 lin.ft. combined curb and gutter, 2,950 cu.yd. excav., to Graham-King Constr. Co., 550 South Cedar St. $19,950, engrs. est. $22,724; 1 block Selden St., 1,215 sq.yd. vitr. brick on concrete, 802 lin.ft. combined curb and gutter, 600 cu.yd. excav., to H. H. Gunther, 600 East Main St., $4,148. Engrs. est. $4,165. Noted July 10.

Ill., River Forest—Improving Lake St., removing 14,500 sq.yd. brick, and laying 20,500 sq.yd. asphalt on 7 in. concrete, 14,550 ft. integral curb, etc., to Standard Paving Co., 341 North Parkside Ave., Chicago, $111,983. Engrs. est. $129,161. Noted Feb. 28.

Ill., Summit—Grading and 7 in. integral rein.-con., paving Douglas, Hunt, 73rd and 74th Sts., to W. T. Ryan, Lyons, at $2.90 per sq.yd., etc., total $44,737.

O., Akron—W. F. Peters, dir. Pub. Serv. (e. e. means engineers est.), to Columbus Asphalt Paving Co., 304 Buckeye Bldg., paving, curbing and grading, etc. 6,430 sq. yd. Blaine Ave. $58,937, e. e. $59,485, 5,730 sq.yd. Wilbeth Rd. $78,575, e. e. $73,562, 5,460 sq.yd., Aqueduct St. $40,104, e. e. $40,764, all asphalt, to T. E. McShaffrey Constr. Co., 171 South Forge St., 2,360 ft. Bowers St., 40 to 56 ft., $78,295, e. e. $89,597, 2,960 sq.yd. Grand Ave. $21,397, e. e. $22,449, 1,820 sq.yd. Stadleman Ave. $12,560, e. e. $13,206, all asphalt, to McAlonan Bros., 506 Woodland Ave., 1,650 sq.yd. Monroe St., vitr. brick, $12,341, e. e. $13,053, 300 sq.yd. Bates St., granite block, $4,721, e. e. $4,332, to Stubbs Constr. Co., 108 Dodge Ave., 12,935 sq.yd. Riverside Dr. et. al., concrete, $60,024, e. e. $62,676, 1,620 sq.yd. Ackley St. $12,433, e. e. $12,581, 1,310 sq.yd. Garden Alley $10,202, e. e. $9,598, both vitr. brick, to Hollinger & Davidson, 435 South Bway., 3,260 sq.yd. Bell St. $19,870, e. e. $21,697, 1,000 sq.yd. Myrtle Pl. $7,345, e. e. $8,182, 4,225 sq.yd. Gridley St. $27,145, e. e. $30,665, 5,080 sq.yd. Cole Ave. $37,179, e. e. $40,317, all vitr. brick; to Guran & Branich, 429 Matthews St., grading, paving and cindering 370 cu.yd. Sherman St., $3,400, e. e. $4,036, to M. Kalain, 573 Wilson St., 1,025 cu.yd. Fuller St., $11,338, e. e. $14,000, to H. G. Baltes, 883 Bloomfield Ave., 925 cu.yd. Baird St. $9,532, e. e. $10,533. Noted Aug. 7 and 14.

O., Toledo—Lucas Co., grading and vitr. brick paving 3,645 sq.yd., East Bway., under New York Central R.R. Subway, to Peters Bros. Co., Spitzer Bldg., $29,858. Engrs. est. $38,800.

Wis., Milwaukee—Milwaukee Co. Road & Bridge Com., asphaltic concrete resurfacing 17,000 sq.yd. National Ave., West Milwaukee, to Badger Constr. Co., 97 Wisconsin St., Milwaukee, $35,700.

Wis., West Allis—Bd. Pub. Wks., to S. and H. Constr. Co., 92 Mason St., Milwaukee, 25,431 cu.yd. cutting and 5,279 cu.yd. filling on Lincoln Ave. at $0.4175 per cu.yd., 6,214 cu.yd. cutting and 861 cu.yd. filling on John St. $0.4975, 5,448 cu.yd. cutting and 398 cu.yd. filling on 47th St. $0.4775. Noted Aug. 7.

Wis., West Bend—Concrete paving, etc., various streets, to J. Schneider Contg. Co., Menasha, $27,522; also 4,152 lin.ft. additional concrete curb and gutter, to Hron Bros., West Bend, at $0.72 per ft.

Ia., Denison—Crawford Co. improving 10 mi. No. 289, Sect. A, Div. 2, to W. B. Finan, Pocahontas; one 18 x 60 ft. pony truss bridge, to C. J. Kramme Co., Ft. Dodge, $7,600; 15 culverts, etc., to Jensen Constr. Co., Kimballton, $8,726, 12 culverts, to Lundgren R. Reis Co., 65 College St., Des Moines, $8,190.

Ia., Estherville—Improving Project 361, 41,639 sq.yd. grading, to O'Hanlon & Reilly, Estherville, $9,494; Projects 3 and 7, to T. L. Knudson, Buffalo Center, $8,678; 8 box culverts, to Scharf & Jacobson, Oak Park. $5.244.

Ia., Rockwell City—Curbing and 7 in. rein.-con. paving various streets, to E. Z. Smith, Rockwell City, at $2.47 per sq.yd.

Ia., Rockwell City—Calhoun Co. improving primary road, gravel work, to A. R. Elo, Havelock, $15,018, gravel road, to N. Kaiser, Pocahontas, $6,985, tile work, to C. Jepson, Goldfish, $4,576, grading, to Pauland & James, $1,795.

Ia., Sioux City—Concrete paving 5,030 sq.yd. Myrtle St., to P. C. Hansen & Son, 1422 Court St., at $2.17 per sq.yd.; 7,340 sq.yd. Tyler Ave., to Western Asphalt Paving Co., 1st and Nebraska Sts., at $2.04 per sq.yd.

Kan., Holton—Grading and vitr. brick paving, etc., several blocks 3rd St., to E. S. McCandliss, Holton.

Kan., Mound City—Linn Co., improving 7.25 mi. Federal Aid Project 215-A, 28 ft., to L. O. Hales, 1230 College St., Topeka, $49,966; one 25 ft. deck girder bridge, to Watkins & Baker, El Dorado, $15,758. Noted July 3.

Kan., Smith Center—Smith Co. grading 3.996 mi. Federal Aid Project 193-A, 28 ft., and 4.001 mi. Federal Aid Project 212-A, 28 ft., to Mead Constr. Co., Beloit, $30,305 and $28,879 respectively. Noted Aug. 7.

Kan., Wichita—Asphaltic concrete surfacing Amidon, East, Kansas, Lewis, Mentor, Morris, Pine, 16th, Volutsia, Waco, and Willow Sts., sheet asphalt surfacing Fountain, Vassar, and Victor Sts., grading Chautauqua St., to H. T. Richie, 124 North Fountain St.; concrete surfacing 3 alleys, Chautauqua, Cook, Ellis, Estelle, Hiram, Kellogg, Litchfield, McCormick, Morris, Munnell, Lincoln, Roosevelt, Shirk, St. Francis, Vassar, Volutsia, Wichita and Woodrow Sts., brick surfacing two alleys, 3rd and Webb Sts., to Globe Constr. Co., 1069 North Water St. Work involves 81,000 sq.yd. paving, curbing and guttering total $255,000. Noted Aug. 7.

Nebraska—State Hy. Dept., Lincoln, improving 11.478 mi. Federal Aid Project 211, Gage Co., grading, to J. E. Owen & Son, Beatrice, $20,000; culverts to Interstate Concrete Co., Fairbury, $11,835, bridges to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, $9,000; improving 3.09 mi. West Point-Oakland Rd., Federal Aid Project 230, Cuming Co., grading to Schleuter Bros., Fremont, $18,965, culverts to Metz Constr. Co., Springfield, $2,482, guard rails to Monarch Eng. Co., Falls City, $12,024; improving 3.756 mi. Federal Aid Project 34, Garfield Co., grading to Garfield Co., Burwell, $7,095, culverts to Diamond Eng. & Constr. Co., Grand Island, $2,199; 6.027 mi. Federal Project 226, Seward Co., grading to Peterson, Shirley & Gunther, Omaha, $9,371, culverts to Ward Constr. Co., Tecumseh, $3,105; graveling 8.99 mi. Columbus-Norfolk Rd., Federal Aid Project 5, Platte Co., to Allied Contractors, Inc., 1803 Douglas St., Omaha, $29,210, 3.47 mi. Aurora-Grand Island Rd., Federal Aid Project 228-A, Hall Co., to Hall Co.,* $7,328, 13.53 mi. Kearny Plesantown Rd., Federal Aid Project 73, Buffalo Co., to A. C. Loud, Kearny, $36,262; grading and graveling 3.58 mi. Federal Aid Project 107-C, to Central Bridge & Constr. Co., Wahoo, $13,407; grading, etc., 21.982 mi. Valentine-Gordon Rd., Federal Aid Project 202-A, Cherry Co., to Shirley & Gunther, Omaha, $93,332; grading and bridging 3.482 mi. Federal Aid Project 72-B, Cedar Co., also grading 4.01 mi. Federal Aid Project 136-C, Knox Co., to Western Bridge & Constr. Co., 748 Peters Trust Bldg., Omaha, $27,000 and $9,442 respectively; culverts on 4.01 mi. Federal Aid Project 136-C, Knox Co., to Monarch Eng. Co., Fall City, $16,000.

Neb., Crete—Concrete or bitulithic concrete paving 0.75 mi. Crete Dorchester Rd., Federal Aid Project 98-C, to Allied Contractors, Inc., 1803 Douglas St., Omaha, $26,100.

Neb., Omaha—B. Crawford, judge Douglas Co., concrete paving 1.5 mi. Rd. 41, 18 ft., to Murphy Constr. Co., Omaha, $45,000. Noted Aug. 7.

Neb., Schuyler — Asphalt paving 12,000 sq.yd. various streets, to A. H. Read Co., Omaha, $45,000.

S. D., Sioux Falls—Concrete paving 4,166 sq.yd. Main Ave. between 21st and 26th Sts., to S. L. Norlin, $1.84 per sq.yd.; 6,644 sq.yd. 10th Ave., from Covell to Western Aves., to Atkinson Paving Co., Western Surety Bldg., $1.85 per sq.yd. Noted Aug. 7.

N. D., Lisbon — Ransom Co., grading 5.981 mi. Federal Aid Project 214, west of Lisbon, 42,643 cu.yd. earth and 870 cu.yd. rock excav., 2,371 cu.yd. overhaul, culverts, etc., also 3.175 mi. Federal Aid Project 254, west of Enderlin, 22,004 cu. yd. earth and 850 cu.yd. rock excav., 2,920 cu.yd. overhaul, culverts, etc., to W. H. Noel, Jamestown, $21,536 and $8,225 respectively. Noted July 31.

N. D., Mandan—Morton Co., concrete paving about 28,102 sq.yd. Mandan-Bismarck Inter-city Highway, Federal Aid Project 100, to Northern Constr. Co., Grand Forks, $82,620. Noted Aug. 7.

Arkansas—State Hy. Comn., Little Rock, grading and gravel surfacing El Dorado-Smackover Rd., Union Co., to L. P. Shelby, 1400 Bway., Little Rock, $38,391; grading, etc., 2 mi. road in Dist. 4, Grant Co., to C. A. Talbot, $21,981. Noted July 3.

Streets and Roads (Continued)

Ark., Hot Springs—Improving Dist. 71, 1,700 cu.yd. excav., 4 intakes, 50 ft. 18 in. tile, 4,152 ft. concrete gutter, 1,300 ft. curb headers, 8,851 sq.yd. concrete paving, etc., to T. A. Rosamond, Hot Springs. Noted July 31.

Tex., Angleton—Brazoria Co., grading, etc., 8 mi. State Highway 58, Rd. Dist. 11, 26 ft., to Denny & Aurley, Houston, $41,746.

Tex., Carrizo Springs—J. G. Lott, engr. Dimmitt Co., grading, gravel surfacing and bridging 12.78 mi. San Antonio-Eagle Pass Rd., to W. L. Pearson & Co., 1st Natl. Bank, Houston, $117,000. Noted July 24.

Tex., Crockett—Houston Co., grading and graveling 3.5 mi. Dist. 10, to Smith Bros., Amer. Exch. Natl. Bank Bldg., Dallas, $26,000. Engrs. est. $25,000. Noted July 24.

Tex., Dallas—J. P. Stephenson, c/o Koch & Fowler, engrs., Central Bank Bldg., grading and paving 6,000 sq.yd. Bluff View Estate, to R. R. Haralson, 1621 Chestnut St., $25,000.

Tex., Dallas—Rock asphalt resurfacing Jackson and Woods Sts., to Uvalde Paving Co., Insurance Bldg., $25,000 plus.

Tex., Dallas—A. C. Allen, judge Dallas Co., surfacing with inverted penetration and 1 in. amesite 3.66 mi. State Highway 10-A, 18 and 22 ft., to Hill, Wilson & Watson, 610 North Texas Bldg., $24,934 and $29,560. Noted July 10.

Tex., Dallas—Asphalt paving 10,000 sq.yd. Cedar Crest Addition, to Uvalde Paving Co., Insurance Bldg., $30,000. Noted Jan. 3.

Tex., Dallas—Dallas Co. will pave 3 mi. Jefferson Ave. extension from Boundary to Arcadia Park, macadam by day labor. $50,000. Nagle, Witt & Rollins, Court House, engrs.

Tex., Dallas—Dallas Co. will pave ForestAve.-Oak Cliff Rd., bituminous macadam, by day labor. $25,000. Nagle, Witt & Rawlins, Court House, engrs.

Tex., Denison—Paving Main St., 1½ in. rock asphalt, to Kaw Paving Co., 616 N. E. Bldg., Topeka, $31,800; Mirick Ave., 6 in. rein.-con., to J. C. Fields & Co., Denison, $57,658. Noted July 31.

Tex., Ft. Worth—E. Moore, judge Tarrant Co., grading and 1½ in. inverted penetration bituminous macadam paving, 7.71 mi. State Highway 10, 18 ft., to Tibbett Constr. Co., Mineral Wells, Tex., $115,506. Engrs. est. $120,648. Noted Aug. 7.

Tex., Hillsboro—Hill Co. reshouldering and rein.-con. paving 9.91 mi. State Highway 2, Federal Aid Project 122, and 6.58 mi. State Highway 2, Federal Aid Project 447, to J. C. Field & Co., Denison, $248,872 and $167,783 respectively.

Tex., Jacksboro—Jack Co. grading, and timber pile trestle and concrete bridges on 16.68 mi. State Highway 24, Federal Aid Project 441-A, 26 ft., to Womack Constr. Co., Sherman, $68,854.

Tex., Vernon—Wilbarger Co., graveling and grading 10 mi. Harrold Elliott Rd., 18 ft., to J. P. Foty, Vernon, $85,000. Engrs. est. $80,000.

Okla., Henryetta—City will resurface 37 blocks various streets, by day labor.

Okla., Muskogee — Grading and 6 in. concrete paving Denver Ave. from Junction to 30th Sts., to Granville-Hamblin Constr. Co., Muskogee, $40,451. Noted Apr. 1.

Okla., Oklahoma City — Improving 5 blocks 18th and 42nd Sts., 26 ft., 5,650 sq.yd. concrete paving, 3,150 lin.ft. curbing, 1,900 cu.yd. excav., to Reinhart & Dawson, Tradesmens Bldg., $25,014, engrs. est., $25,000; 6 blocks Ashton and 2nd Sts., 6,300 sq.yd. asphalt paving, 3,800 lin.ft. curbing, 2,100 cu.yd. excav., to Western Paving Co., Tradesmens Bldg., $36,845, engrs. est. $37,500.

Okla., Oklahoma City—Resurfacing and widening 23rd St. from point 339 ft. East of Santa Fe. R.R. tracks to Lincoln Blvd., willite asphalt, to Western Paving Co., Tradesmens Natl. Bank Bldg., $58,945; 4 blocks 15th St., 30 ft., concrete, to M. A. Swatek & Co., 519½ West Main St., $25,000.

Okla., Sapulpa—Curbing, 7 1/3 in. concrete paving, etc., West Lincoln, Main, Cedar and North Oklahoma Sts., to Klingensmith Eng. Co., Sapulpa. Eng. est. $40,000. Noted Aug. 14.

Okla., Tulsa—Grading and concrete paving 5,600 sq.yd. College Ave., and 6,000 sq.yd. Marshall St., to H. L. Cannady & Co., 1122 South Lewis St., $30,447 and $27,976 respectively, engrs. est. $30,619 and $28,457 respectively; 6,300 sq.yd. Utica St., to Standard Paving Co., 1733 East 3rd St., $30,955, engrs. est. $31,068; 6,100 sq.yd. Boston Ave., to Western Constr. Co., 815 Daniels Bldg., $34,925, engrs. est. $35,256.

Nevada—State Hy. Dept., Carson City, grading and gravel surfacing between 11th St., city of Ely, and McGill, Project 77, White Pine Co., Contr. 112, to W. Hoops, Hollister, Idaho, $77,597, between Yerington and point 9.5 mi. east thereof, Project 80-A, Lyon Co., Contr. 113, to J. Ross, Yerington, $60,909; crushed rock and gravel surfacing between Golconda and point 8.5 mi. east thereof, Project 82-A, Humboldt Co.; to Morrison-Knudsen Co., Railroad and Reclamation Ave., Boise, Idaho, $79,161; concrete surfacing between 1st and 11th Sts., city of Ely, Project 70, White Pine Co., to Strange & Vallandingham, Salt Lake City, Utah, $26,572.

Wash., Kalama — Comrs. Cowlitz Co., grading Highway 10, 176,560 yd. overhaul and reinforced culverts, 23,144 cu.yd. earth excav., to Martin Constr. Co., Burbank, $25,943.

Ore., Portland—Comrs. Multnomah Co., grading, paving, etc., 6,000 ft. 82nd St., to Warren Constr. Co., Park Rose St., $30,769.

California—State Highway Comn., Sacramento, grading about 5.2 mi. highway between Del Mar and Laguna Beach, Orange Co., to W. D. McCray, Los Angeles, $108,310. Engrs. est. $159,090. Noted Aug. 7.

Calif., Eureka—Supervs. Humboldt Co., taking bids constructing highway between Pauls Point in Trinity Co. to Pattens Box. A. J. Logan, Eureka, co. surv.

Calif., Fresno—Supervs. Fresno Co., improving McCall Ave., to California Constr. Co., 58 2nd St., San Francisco, 338,702 ft. 4 in. asphaltic concrete paving at $0.153 per ft., 5,185 yd. earthwork $0.90.

Calif., Fullerton — Grading, asphaltic concrete (Topeka top), paving West Truslow Ave., etc., to Los Angeles Paving Co., 2900 Santa Fe Ave., Los Angeles, approximately $55,150.

Calif., Glendale—City Trustees, to F. R. Mosher, Glendale, improving Elm Ave., etc., 384,800 sq.ft. 3 in. oil macadam $0.95 per sq.ft., 3,392 sq.ft. 5 in. concrete paving $0.20, 27,450 lin.ft. curb $0.50, 120,986 sq.ft. sidewalks $0.16, 29,470 sq.ft. gutter $0.20, etc., total $124,686, engrs. est. $125,000; to A. R. McGrath, Glendale, asphalt macadam paving, guttering, curbing, sidewalks, sewers, etc., on Ard Evin Ave., Bonnie Brae et al, $31,293, engrs. est. $35,000. Noted Aug. 21.

Calif., Hawthorne—City Trustees, willite paving Bway. between Birch and Prairie Aves., and Truro and Eucalyptus Aves., to G. R. Curtis Paving Co., 2440 East 26th St., Los Angeles, $47,041 and $54,411 respectively.

Calif., Inglewood—City Trustees, to G. R. Curtis Paving Co., 2440 East 26th St., Los Angeles, paving Damask Ave. between Arbor Vitae St. and Redonda Blvd., 320,862 sq.ft. grading at $0.03 per sq.ft., 8,122 ft. curbing $0.60, 39,502 sq.ft. sidewalks $0.20, 9,596 sq.ft. guttering $0.25, 75,335 sq.ft. 5 in. macadam $0.105, 99,880 sq.ft. 5 in. asphaltic concrete paving, $0.17, total $53,424. Engrs. est. $50,000.

Calif., Los Angeles—Bd. Pub. Wks., constructing, grading, sewers, asphalt and concrete paving, etc., Crandall St. between 2nd and Park View Sts., to J. Mullarkey, 418 North Figueroa St., $95,267.

Calif., South Pasadena (branch of Pasadena)—City Trustees, improving Lemon and Milan Sts., 176,500 sq.ft. 3 in. macadam paving, 18,600 sq.ft. gutters, 3,122 ft. 4 and 6 in. c.i. mains, etc., to H. E. Cox, Slavin Bldg., Pasadena. $30,965. Noted Aug. 7.

Ontario—Northern Development Branch, Provincial Hy. Dept., Toronto paving 6.5 mi. road from Timmins to South Porcupine, to Macnamara Constr. Co., Scott St., Toronto, tar penetration $132,031 or asphalt $132,050.

Ont., Essex—R. R. Brett, city engr., concrete paving Wilson Ave., to Cadwell Sand & Gravel Co., Windsor, $1.25 per cu.yd. for excav., and $2.75 per sq.yd. for concrete. Noted Aug. 14.

Ont., Orillia—Paving 15,000 sq.yd. Coldwater Rd., Warrenite bitulithic concrete, to Warren Bituminous Paving Co., 54 University Ave., Toronto, storm sewers, to Curran & Briggs, 51 Rusholme Park, Toronto. Engrs. est. $75,000. Noted Aug. 7.

Buildings—Industrial

PROPOSED WORK

Mass., Cambridge (Boston P. O.)—Storage—H. F. Stimpson, 128 Sydney St., having plans prepared by Monks & Johnson, 99 Chauncy St., Boston, 2 story and basement, 60 x 220 ft., brick, Albany St $150,000.

Conn., Bristol—Plant—E. Ingram & Co., 392 North Main St., having plans prepared by H. A. Hayden, 175 Main St., 5 story 65 x 200 ft. main plant addition, and x 80 ft. storage building addition, etc., brick and steel, plain foundations. $40,000. Noted Aug. 28.

N. Y., Batavia—Plant—Hoefler Ice Cream Co., 296 Connecticut St., Buffalo, plans 90x160 ft., rein.-con and brick, Swan St. $75,000. F. A. Homelius, c/o owner, archt.

N. Y., Buffalo — Factory — Worthington Pump & Mchy. Corp., Roberts St., had plans prepared two 1 story, 50 x 75 ft., brick and steel additions. $45,000.

Ky., Louisville — Plant — Louisville Hydro-Electric Co. having surveys made by H. M. Byllesby Co., 208 South La Salle St., Chicago, for power plant.

O., Akron — Factory — General Fire & Rubber Co., 1708 East Market St., plans three 3 story large factory wings, connecting with present main building. $300,000

O., Cleveland—Bakery and Shipping—J. Laub Baking Co., 4919 Lorain Ave., had plans prepared by Anders & Reimers, Erie Bldg., 2 story and basement, 60 x 125 ft., brick and rein.-con., Lorain Ave. $75,000

O., Cleveland—Factory—Columbian Hardware Co., 1296 East 53rd St., had plans prepared 1 story, 90 x 201 ft., brick and steel, 1296 East 53rd St., $50,000. Private plans.

O., Cleveland — Factory — Purity Cream Cheese Co., c/o E. Van Korngut, pres., 760 Central Ave., had plans prepared 1 story, 30 x 120 ft. brick, East 11th St. and Central Ave. $40,000. Private plans.

O., Cleveland — Plant — Cleveland Co., plans 4 story and basement brick and stone publishing plant, Superior Ave. near East 21st St. $350,000. Monks & Johnson, 99 Chauncy St., Boston, Mass., archts.

O., Middletown — Factory — Gardner & Harvey Co., plans factory addition and warehouse. $100,000.

Ind., Elkhart—Power House—Bd. Educ. plans new power house at Central High School. $80,000.

Ill., South Chicago (Sta. Chicago)—Plant—By-Products Coke Corp., 332 South Michigan Ave., Chicago retained Freyn, Brassert & Co., engrs., 310 South Michigan Ave., Chicago to design and construct new 2,400 hp. boiler plant, here.

Wis., Milwaukee — Factory — G. Meyer Mfg. Co., 576 Clinton St., has plans prepared by A. H. Kienappel, 445 Milwaukee St., 1 story, 50 x 60 ft., brick, plain foundation, Clinton St. $40,000.

Wis., Racine—Factory—Reliance Automatic Lighting Co., c/o B. L. Flegel, pres., 510 College Ave., having plans prepared by A. L. Flegel, c/o owner, 2 story, 50 x 60 ft., rein.-con. and brick, plain foundation. $40,000.

Wis., Tennyson (Potosi P. O.)—Cannery J. Walsh, Potosi, plans 2 story, brick and timber cannery. $40,000. Private plans.

Minn., Cloquet — Factory — Wood Commission Co. plans 2 story, 140 x 180 ft., rein.-con., brick and tile. $100,000. C. E. Hoff, mgr. Engineer and architect not selected.

Minn., Faribault—Plant— Plans light and power plant, also garbage disposal plant. S. M. Andrews, city clk.

Mo., Cape Girardeau — Plant — Naeter Bros. Publishing Co., soon takes bids 2 story and basement, 100 x 100 ft., brick, stone and rein.-con. $75,000 or more. T. P. Barnett & Co., Arcade Bldg., St. Louis, Mo., Archt. Noted Feb. 28.

Mo., St. Louis—Chemical Plant—H. C. Grote, archt., 111 North Bway., preparing preliminary plans 1 and 2 story, 150 x 200 ft., rein.-con., plain foundation. $50,000. Owner's name withheld.

Tex., Colorado — Refinery — Anderson Prichard Oil Corp. plans 2,000 bbl. oil refinery. $150,000. Private plans.

Tex., Corsicana—Gasoline Plant—Humble Oil & Refining Co., Humble Bldg., Houston, plans rebuilding casing head plant, recently destroyed by fire. $200,000. Private plans.

Tex., Harlingen — Plant — Natl. Dehydration Co., Kansas City, Mo., having plans prepared, 60 x 80 ft., brick, tile and concrete plant, 400 to 800 bu. daily capacity, here. $35,000. P. H. Theis, Kansas City, Mo., and F. N. Maars, Bristow, Okla., representatives of owner. Private plans.

Tex., Lamesa—Cotton Compress—H. F. Underwood, Athens, plans 20,000 bale cotton compress, concrete, here. $50,000.

Buildings—Industrial (Continued)

Tex., McAllen — Plant — Carroll College, c/o J. M. Carroll, pastor, 209 Stratford Court, San Antonio, having plans prepared for 40 x 65 ft. power and heating plant, here. $40,000. H. P. Smith, Natl. Bank Commerce Bldg., San Antonio, engr.

Ariz., Phoenix—Shop—Atchison, Topeka & Santa Fe R. R. Co., Kerckhoff Bldg., Los Angeles, Calif., plans shop buildings, here. $75,000-$100,000.

Calif., Anaheim — Power Plant — Plans election approximately $245,000 bonds for power plant. E. B. Merritt, city clk.

Calif., Fullerton — Power Plant — City having estimates made for power plant. W. C. Record, city engr.

Calif., San Diego—Plant—Potter Radiator Co., 5946 Pasadena Ave., Los Angeles, having plans prepared by M. M. Marsten, Douglas Bldg., Los Angeles, factory, here. To exceed $100,000. Noted July 31.

BIDS DESIRED

N. Y., Brooklyn—Housing Station—Sept. 11, by W. W. Mills, comr. Plant & Structures, Municipal Bldg., New York, housing station at Kent Ave., here for Dept. Street Cleaning.

N. Y., New York — Housing Station — Sept. 11, by W. W. Mills, comr. Plant & Structures, Municipal Bldg., housing station at Delancey, Lewis and Goerck Sts., for Dept. Street Cleaning.

Pa., Kersey—Tile Plant—Glen Coal & Clay Products Co., Oliver Bldg., Pittsburgh, will build tile plant, incl. dryer kilns, 4 machine houses, tracks and railroad siding. $100,000. Work will be done by separate contracts. R. A. Whiston, Hudson Terminal Bldg., New York City., engr.

Pa., North Side (Pittsburgh, P. O.)—Power House—D. L. Clark Co., Martindale St., Pittsburgh, will build 2 story, 45 x 100 ft., power house, here. $45,000. Work will be done by separate contracts. P. Dietz, Lyceum Bldg., Pittsburgh, engr.

Wis., Milwaukee — Laundry — Davis & Tuchwell, archts., 377 Natl. Ave., taking bids 1 story and basement, 24 x 35 ft. and 62 x 70 ft., brick and timber, plain foundation, Clybourn St., for O. Wollner, c/o architects. $45,000.

Wis., Portage—Creamery—Portage Co. Operative Creamery, A. Hilstad, mgr., taking bids 2 story and basement, 68 x 80 ft., brick and concrete, plain foundation. $40,000. Kampfer & Buetow, 1380 Blair St., St. Paul, Minn., archts.

Mo., Aurora — Plant — Lawrence Co. Water, Light & Cold Storage Co., taking bids 1 story and basement, 67 x 90 ft., cold storage plant, rein.-con. $40,000. Heckenlively & Mark, 642 Landers Bldg., Springfield, archts.

CONTRACTS AWARDED

Me., North Berwick—Factory—Berwick Business Corp., 1 story, 60 x 280 ft., box factory, brick and timber, to F. A. Rumery Co., 21 Portland St., Portland. Archts. est. $60,000.

Me., Saco—Storehouse—York Mfg. Co., 4 story and basement, rein.-con. and steel, to W. T. Reed Co., 200 Devonshire St., Boston, Mass. Archts. est. $170,000.

Mass., Boston — Power Plant — Gillette Safety Razor Co., 41 West 1st St., 2 story and basement, 70 x 75 ft., brick, stone and steel, West 8th St., to Whidden-Beekman Const. Co., 100 Boylston St. Archts. est. $45,000.

Mass., Chelsea — Plant — Standard Box Mfg. Co., Gerrish Ave., 4 story, 50 x 100 ft., brick and timber addition, to M. Sletnich, 333 Washington St., Boston. Archts. est. $60,000. Noted Aug. 14.

Mass., Fall River — Shop — Algonquin Printing Co., Bay St., enlarging and constructing brick shop additions, to A. Pulesston, Fall River. Archts. est. $40,000.

Mass., Hanover — Plant — E. H. Clapp Rubber Co., 49 Federal St., Boston, altering and constructing several buildings, here, to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston.

Mass., Marlboro—Manufacturing—Marlboro Wire Goods Co., 3 story, 70 x 150 ft., brick and steel, to L. Rockeford & Co., 44 Front St., Worcester, $155,000. Noted June 5.

Mass., Newton—Factory—Stowe & Woodward Rubber Co., Newton Upper Falls, will build 1 story, 60 x 100 ft., concrete, Oak St., by day labor. $40,000. Private plans.

N. Y., Jamestown — Factory — J. E. Roberts & Son., 1234 East 2nd St., 1 story, 60x200 ft., brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $40,000.

Pa., Latrobe—Shop and Boiler House—Vanadium Alloys Steel Co., general contract 1 story and basement, 70 x 260 ft., hammer shop and boiler house, to J. F. Haldeman, 627 Gettysburg St., Pittsburgh.

Pa., Phila. — Manufacturing — Cutter Electric & Mfg. Co., 19th and Hamilton Sts., 4 story and basement, 53 x 85 ft., rein.-con. and brick, plain foundation, to J. N. Gill Constr. Co., Center Bldg.

Pa., Phila. — Plant — Kingon Provision Co., 8th & Callowhill Sts., 3 story and basement, 110 x 115 ft., brick and rein.-con. addition, plain foundation, to Barclay White Co., 1713 Sansom St.

Pa., Sharon — Shop — Natl. Malleable Castings Co., general contract, 1 story, 100 x 190 ft. machine shop, South Dock St., to W. McIntyre & Sons, Sharon. Archts. est. $200,000.

O., Cleveland — Plant — Cleveland Commercial Publishing Co., 307 West Superior Ave., 3 story and basement, 90 x 190 ft., brick, steel and concrete, East 22nd St. and Payne Ave., to Crowell & Little Constr. Co., Hanna Bldg. Archts. est. $175,000.

O., Cleveland — Factory — A. J. Orkin, 3623 Central Ave., 2 story and basement, 44 x 75 ft., brick, to M. Gold, 9106 Parkgate Ave. Archts. est. $40,000.

O., Cleveland—Factory—F. Hepler, Natl. City Bldg., 2 story and basement, 50 x 80 ft., brick and steel, 4040 East Superior Ave., to J. Baskin, 9215 Parkgate Ave. Archts. est. $40,000. Nagele Cabinet Co., c/o owner, lessee. Noted Aug. 14.

Ind., Anderson—Factory—Hughes-Curry Packing Co., 1800 West 8th St., rein.-con. and brick, plain foundation, West 8th St., to J. I. Barnes, P. O. Box 960, South Bend. Noted Aug. 28.

Mich., Detroit—Factory—Everhot Water Heater Co., 214 West Woodbridge St., 1 story, 60x200 ft., brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $40,000. Private plans.

Ill., Chicago—Plant—Clayton Mark & Co. 111 West Washington St., Chicago, 90 x 120 ft. plant, 74th and Robey Sts., to Austin Co., 208 South La Salle St. $30,000.

Ill., Harvey — Boiler House — Whiting Corp., 155th St., 1 story, 55 x 75 ft., rein.-con., brick and steel, plain foundation, 155th St., to T. D. Hobson, Harvey. Archts. est. $40,000. Noted July 24.

Wis., Chili—Factory—Chili Co-operative Dairy Co., c/o W. Lindow mgr., will build cheese factory, 2 story and basement, 40 x 62 ft., brick and hollow tile, plain foundation, by day labor. $40,000. G. A. Krasin, Marshfield, archt.

Tex., Eastland—Plant—Phillips Petroleum Co., 522 Kennedy Bldg., Tulsa, Okla., will build plant in Pioneer field, Eastland Co., here, by day labor. $300,000. A. H. Riney, Bartlesville, Okla., engr.

Tex., Ewing—Mill—Bohlssen Mfg. Co., sawmill, to Lufkin Fdry. & Machine Co., Lufkin, $75,000. Noted Aug. 14.

Tex., Ft. Worth—Factory—Agee Screen Co., Railroad Ave., 1 story, 50 x 200 ft., concrete and timber, Summitt Ave., to Butcher Sweeny, 806 Taylor St., $40,000.

Tex., Waco—Factory—W. R. Clifton, c/o M. W. Scott & Co., archts., 418½ Franklin St., 2 story and basement, 75 x 100 ft., brick and concrete, 2nd St. and North Side Sq., to H. Ainsworth, 1719 Burnett St., $42,000.

Calif., Beverly Hills—Factory—Sunset Hosiery Mills, 1 story, 50 x 150 ft., brick and steel, to Moran Co., 6 Kerckhoff Bldg., Los Angeles.

Calif., Emeryville—Factory—Hubbard & Co., Sheldon Bldg., San Francisco, group of rein.-con. factory buildings, to Austin Co., 605 Market St., San Francisco. $500,000.

Calif., Los Angeles—Garage and Office—Tidewater Oil Corp., 940 East 2nd St., 1 story (ultimately 2 story), 125 x 190 ft., rein.-con., 48th St. and Long Beach Ave., to H. M. Baruch, 444 I. W. Hellman Bldg., cost plus percentage basis.

Calif., Modesto—Factory—Bordens Condensed Milk Products Co., Kansas Ave., 1 story tin can factory, rein.-con. and brick, to Davis-Heller-Pearce, Delta Bldg., Stockton. $40,000 to $60,000. Noted Aug. 14.

Calif., Westwood — Plant — Red River Lumber Co., Monadnock Bldg., San Francisco, will build 160 x 800 ft., veneer plant, by day labor.

Buildings—Commercial

PROPOSED WORK

Me., Gorham—High School—School Com., having plans prepared by Bunker & Savage, Augusta Trust Bldg., Augusta, 2 story and basement, 70 x 100 ft., brick. $150,000.

Me., Skowhegan — Hotel — Maine Hotel, Inc., Portland having plans prepared by Miller & Mayo, Fidelity Bldg., Portland, 5 story and basement, 130 x 150 ft., brick, here. $200,000.

Mass., Acushnet—School—Town plans 2 story and basement, 50 x 110 ft. school. $150,000. L. Gaudette, chn. com. Engineer and architect not selected.

Mass., Boston—Mercantile—W. M. Evatt, 200 Devonshire St., having sketches made by A. H. Bowditch, 44 Bromfield St., 9 story and basement, Stuart St. near Berkley St. $1,000,000. Pettinghill Andrews Co., 511 Atlantic Ave., lessees. Noted May 22.

Mass., Boston—Hospital—City Hospital Dept. having preliminary plans prepared by Ritchie, Parsons & Taylor, 15 Ashburton Pl., 9 story and basement, brick and limestone, Albany and Concord Sts. $750,000. Noted June 26.

Mass., Brighton (Boston P. O.)—Chapel—St. Gabriels Monastery, 159 Washington St., having preliminary plans prepared by Maginnis & Walsh, 199 Boylston St., Boston, 1 story and basement, Washington St. $150,000.

Mass., Roxbury (Boston P. O.)—Apartment—J. Resnick, 19 Stratton St., plans 3 story and basement, brick and stone, Stratton St. $150,000. S. S. Levy, 39 Court St., Boston, archt.

Mass., South Boston (Boston P. O.)—Garage—H. C. Davis, c/o T. F. Rowe, 100 Boylston St., Boston, plans 2 story, 60 x 250 ft., rein.-con., 720 Bway., here. $175,000.

Conn., Cheshire—Store—W. J. Kennedy, c/o C. B. Dillon, archt., 725 Orange St., New Haven, having plans prepared 1 story and basement, 50 x 200 ft., brick, plain foundation. $150,000.

Conn., New Britain — School — School Dept. plans school, East Street. $150,000.

Conn., Stamford — Hospital — Stamford Hospital Assn., Hubbard Hill, having plans prepared by G. B. Post, 101 Park Ave., New York City, 3 story and basement, 40 x 100 ft. brick and steel, plain foundation. $250,000. Noted July 24.

Conn., Unionville — Church — Methodist Church, Farmington Ave., plans church, Farmington Ave. $150,000. W. Pickering, pastor. Engineer and architect not selected.

Conn., Waterbury—Business—D. T. Farrington, 65 Bank St., having plans prepared by J. A. Jackson, 185 Church St., New Haven, probably 6 story and basement, 55 x 150 ft., rein.-con., brick and steel, plain foundation, East Main and Elm Sts. $150,000.

N. Y., Buffalo — Theatre — G. L. Rapp, archt., 190 South State St., Chicago, Ill., soon takes bids 180 x 200 ft., Main St., here, for Shea Amusement Co., 40 Court St. $1,000,000. Noted Feb. 7.

Pa., Harrisburg — Hospital — Polyclinic Hospital, H. Gross, doctor, Front and Harris Sts., plain 3 and 4 story and basement, 110 x 194 ft., brick and rein.-con., plain foundation, 3rd Ave. and 4th St. Kost & Keller, Commonwealth Bldg., archt.

Pa., Ligonier—High School—Bd. Educ., having revised plans prepared by C. J. and C. Reiger, Citizens Bank Bldg., Pittsburgh, 2 story and basement, 85 x 135 ft. addition, Church and Fairfield Sts. $150,000.

Pa., Oakmont—School—Bd. Educ., having plans prepared by W. G. Eckles & Co., New Castle, 2 story and basement, 250 x 300 ft., brick, tile and steel, Pennsylvania and 10th Sts. $225,000.

Pa., Phila.—Office—See "Unclassified."

Pa., Reading — Orphanage — Berndine Sisters of St. Francis, c/o G. C. Freeman, archt., Liberty Bank Bldg., having plans prepared 2 and 3 story and basement, 187 x 240 ft., brick and steel, plain foundation, Hillmont and Reading Sts.

N. C., Raleigh—State—State Building Comn. plans 4 or 5 story, cut stone building, Salisbury and Morgan Sts. $500,000. W. N. Everett, state secy.

Fla., Miami Beach—Hospital—City Hospital Comn. having plans prepared by A. Geiger, Miami, 4 story hospital. $200,000.

Fla., Tampa—Jail—Comrs. Hillsborough Co., having plans prepared by F. J. James, Citizens Bank Bldg., 3 story jail. $250,000. Noted July 31.

Miss., Jackson—Schools—Voted $400,000 bonds for Junior High School and new school for negroes. H. V. Watkins, chn. Bd. Educ.

Tenn., Memphis—Commercial—J. Goodman, 3 South Main St., having plans pre-

Buildings—Commercial (Continued)

pared by E. L. Harrison, U and P Bank Bldg., 2 story and basement, 50 x 140 ft., concrete and steel, Union Ave. $150,000.

Ky., Louisville — Dormitory — Southern Baptist Theological Seminary, 5th St. and Bway., having plans prepared by A. Loomis, associated archt., 51 Todd Bldg., New York Hall, 3 story and basement, rein.-con., brick and steel, Long Ave. $700,000.

O., Cleveland — Church, etc. — Epworth Euclid Methodist Episcopal Church, 2547 East Derbyshire Rd., having preliminary plans prepared by Walker & Weeks, 1900 Euclid Ave., limestone church and Sunday school, West 107th St. and East Blvd. $650,000. B. G. Goodhue, 2 West 47th St., New York City, consult. engr.

O., Cleveland—Commercial and Restaurant—Childs Co., 200 Fifth Ave., New York City, having preliminary plans prepared by G. B. Post & Sons, 601 Hanna Bldg., 2 story, 66 x 280 ft., brick and concrete, 647 Euclid Ave. $250,000.

O., Cleveland—Schools—Bd. Educ. plans 2 story and basement, East 185th St., and Muskoka Ave., $425,000, also 2 story addition to McKinley School, West 125th St., $300,000, both brick, steel and concrete. W. R. McCornack, 6th St. Clair Bldg., archt.

O., Cleveland—Commercial and Apartment—H. L. Shure, 11116 Kensman Rd., having plans prepared, by L. Skolnik, 6th St. Clair Bldg., 3 story and basement, 98 x 100 ft.; brick and timber, East 140th St. $150,000.

O., Cleveland — Commercial and Apartment—R. F. Price, 1836 Euclid Ave., plans 3 story and basement, 74 x 124 ft., brick and timber, East 131st St. and Miles Ave. $150,000. Private plans.

O., Cleveland—High School—Bd. Educ., having plans prepared by W. R. McCornack, 6th St., St. Clair Bldg., Junior High School, 3 story brick, steel and concrete, Florain Ave. and Parkhurst Dr. $1,000,000.

O., Lakewood—Armory, etc.—Ohio Natl. Guard, c/o F. D. Henderson, adjutant general, 1139 Grandview Ave., Columbus, plans 2 story, brick and steel armory and stable, Old Scienic Park. $150,000. H. D. Briggs, Columbus, archt.

O., Lakewood—School—Bd. Educ. having plans prepared by C. W. Hopkinson, 900 Rose Bldg., Cleveland, 2 story and basement, brick, steel and concrete, Lakewood Heights Blvd. $180.000.

O., Lyndhurst (Cleveland P. O.)—Clubhouse—See "Unclassified."

O., Shaker Heights (Cleveland, P. O.)—School—Bd. Educ. having plans prepared by C. W. Bates, 77-12th St., Wheeling, W. Va., 3 story and basement, brick, steel and concrete, South Moreland Blvd. and Lee Rd. $300.000.

Ill., Oak Park—Club—Nineteenth Century Club, c/o H. Hiller, 1024 Erie St., having preliminary plans prepared by Holmes & Flynn, 3 story and basement, 120 x 140 ft., rein.-con., brick and stone, Forest Ave. and Ontario St. $175,000.

Wis., Merrill—Hospital—Sisters of Holy Cross of Switzerland, having preliminary plans prepared by R. E. Schmidt, Garden and Martin, 104 South Michigan Ave., Chicago, Ill., 4 story and basement, brick and concrete, plain foundation. $150,000-$200,000.

Wis., Milwaukee—Apartment—G. Zagel & Bro., archts., 144 Oneida St., preparing plans 3 story, 107 x 142 ft., brick, tile and concrete, plain foundation, Newport Ave. $150,000. Owners name withheld.

Ia., Waterloo—Temple—Masonic Temple Assn., c/o J. D. Liffring, pres., having preliminary plans prepared by J. G. Ralston, L. & J. Bldg., 4 story and basement, 80 x 142 ft., rein.-con., brick and stone. $300,-000.

Minn., Fairbault — School — St. Marys Hall, B. W. Cowperthwait, chn. Bd. Trustees, having plans prepared by C. H. Johnston, 715 Capital Bank Bldg., St. Paul, 3 or 4 story and basement, rein.-con., brick and stone. $175,000.

Kan., Lawrence—Hotel—W. G. Hutson having preliminary plans prepared by Shephard & Wiser, 1208 R. A. Long Bldg., Kansas City, Mo., rein.-con. and brick hotel. $175,000.

Neb., Omaha—High School—Bd. Educ., c/o C. V. Warfield, City Hall, having preliminary plans prepared by J. Latenser & Son, 732 Peters Trust Bldg., 3 story and basement high school, South High Campus. $250,000.

Neb., Omaha—Store—U. S. Natl. Bank, c/o J. L. Kennedy, 16th and Farnam Sts., having preliminary plans prepared by F. A. Henninger, Security Bldg., remodeling first floor bank building for store. $250,-000.

Mo., Independence — High School — Bd. Educ., having plans prepared by Payson & Carwell, 505 Interstate Bldg., Kansas City, high school, $150,000. Noted July 31.

Mo., Kansas City—Holy Name Parish, 22nd St. and Benton Blvd., having plans prepared by H. W. Brinkham, Emporia, Kan., and takes bids in December, 1 story and basement, 70 x 160 ft. $150,000.

Mo., Springfield—Hospital—St. Louis & San Francisco R.R. Co., Frisco Bldg., St. Louis, had plans prepared and soon takes bids 3 story and basement hospital, here. $400,000. E. H. Jonah, ch. engr. Noted July 10.

Mo., St. Joseph—City Hall—City, plans city hall. $750,000. Eckel & Aldrich, Crosby-Forsee Bldg., archt.

Mo., St. Louis—Office—Local Syndicate, c/o Schoelch Designing & Eng. Co., archts., 1214 Syndicate Trust Bldg., having preliminary plans prepared, 12 story and basement, 105 x 170 ft., brick, stone and rein.-con., Grand Blvd. at Franklin St. $1,000,-000.

Tex., Ft. Worth—Club, Office and Store—Ft. Worth Club, 6th and Main Sts., takes bids in September, 12 story and basement, 95 x 200 ft., concrete, brick and terra cotta, 6th and Throckmorton Sts. $1,250,000, Sanguinet, Staats & Hedrick, 1st Natl. Bank Bldg., engrs. and archts. Noted Apr. 10.

Tex., Ft., Worth — Church — Hemphill Presbyterian Congregation, C. McCollum, chn. bldg. com., Ft. Worth Club, soon lets contract, 50 x 60 x 80 ft. church, 50 ft. high, brick, stone, steel and terra cotta, Hemphill and Laurel Sts. $150,000. O. H. Atkinson, 806 Taylor St., archt.

Okla., Stillwater—Dormitory—State Bd. Agriculture, Capitol Bldg., Oklahoma City, takes bids about Sept. 15, 3 story and basement, 120 x 180 ft., rein.-con., brick and stone. $300,000. J. Hicks, 19 West Main St., Oklahoma City, archt. Noted Aug. 7.

Okla., Tulsa—Civic—Chamber of Commerce, City Hall, soon takes bids 4 story and basement, 65 x 130 ft., rein.-con., brick and stone, 5th and Cincinnati Sts. $150,000. Rush, Endicott & Rush, 404 New Wright Bldg., archts. Noted July 31.

California—Theatres—West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, plans concrete, brick and steel motion picture theatres in various southern cities. $5,000,000.

Calif., Los Angeles — Hospital — Clara Barton Hospital, 447 South Olive St., plans fireproof hospital buildings, 6th and St. Paul Sts. $1,000,000 or more. Engineer and architect not selected.

Calif., Los Angeles—Office—Pub. Serv. Comn., takes bids about September 17, 13 story, basement and sub-basement, 49 x 120 ft. Class A construction, 2nd St. between Hill St. and Bway. $250,000. L. L. Smyth, 218 Byrne Bldg., archt.

BIDS DESIRED

N. H., Hanover — School — School Bd., taking bids 1 story, 110 x 115 ft., brick. $150,000. A. S. Kellogg, 89 Franklin St., Boston, Mass., engr. Larson & Wells, Hanover, archts. Noted July 3.

Mass., Fall River — School — Bd. Educ. taking bids 2 story and basement, 125 x 175 ft., brick addition to Anthony School. $200,000. L. A. Destremps, 11 Pleasant St., archt. Noted Aug. 7.

N. Y., Raybrook—Hospital—Sept. 17, by Superintendent of Purchase, Room 409 Capitol Bldg., Albany, remodeling main porch and pavilion entrances, repairing roof to power house at State Hospital for Treatment of Incipient Pulmonary Tuberculosis, here. S. W. Jones, state archt.; adv. E. N.-R. Sept. 4.

Pa., Johnstown—High School—Sept. 22, by Bd. Educ., Johnstown School Dist., 601 Swank Bldg., 3 story and basement, 250 x 300 ft. high school, Somerset St. $500,000. J. E. Adams, Nemo Bldg., archt. Noted Apr. 26.

Pa., Phila.—Apartment—Sept. 10, by E. A. Wilson, archt., 1208 Chestnut St., 4 story and basement, 116 x 226 ft., brick and steel, plain foundation, 43rd and Chestnut Sts., for I. N. Smith, Hotel Marlyn, 40th and Walnut Sts. $300,000.

Pa., Windber—Church—Sept. 20, Committee St. Marys Catholic Church, 1 story and basement, 54 x 116 ft., brick, Somerset Ave. $150,000. W. N. Myton, 1205 1st Natl. Bank Bldg., Johnstown, archt. Noted Apr. 24.

O., Cleveland — Garage — L. Loveman, 2294 East 55th St., taking bids 2 story and basement, 180 x 200 ft., brick and concrete, 5336 St. Clair Ave. $175.000. H. L. Mangel, 2296 East 55th St., archt. Noted Aug. 28.

Ill., Maywood—Apartment—R. G. Hancock, 35 North Dearborn St., Chicago, taking bids and supervises construction 3 story and basement, 121 x 125 x 131 ft., rein.-con., brick and stone, 6th and Lake Sts. $200,000. Private plans.

Wis., Madison—Store and Apartment—E. Tough, archt., Washington Bldg., taking bids 3 story, 32 x 73 ft. and 42 x 56 ft., brick, rein.-con. and steel, plain foundation, University St., for Kennedy Dairy Co., 629 West Washington Ave. $150,000. Noted Aug. 21.

Wis., Milwaukee — Apartment — Dixie Realty Co., c/o G. G. Kuntz, 2311 Wells St., taking bids 3 story and basement, 44 x 124 ft., brick and concrete, plain foundation, Wells St. $150,000. W. J. Kozick, 664 24th St., archt. Noted July 31.

Wis., Milwaukee — Apartment Hotel—Sept. 8, by Rosman & Wierdsma, archts., 490 Bway., 4 story, 132 x 176 x 188 ft., brick and steel, Grand Ave., for Biltmore Grande Realty Co., c/o architects. $400,000.

Neb., Omaha—Medical Arts—Sept. 16, by Wade & Crosby, archts., Chicago, Ill., 14 story and basement, 60x132 ft., brick and steel, 17th and Dodge Sts., here, for B. Kulp, 3158 West Madison St., Chicago, Ill. $1,000,000. Engineer not selected.

Tex., Austin—High School—Sept. 15, by G. N. Decherd, pres. Bd. City Trustees, 3 story and basement addition to Junior High School, 17,500 sq.ft. floor space, brick and rein.-con., Rio Grande and 12th Sts. $215,000. Giesecke & Harris, Littlefield Bldg., archts.

Tex., Dallas—Auditorium — Oct. 4, by Lang & Witchell, archts., Amer. Exch. Bank, concrete, brick and steel, for City Dallas & State Fair Assn. $425,000. Noted Aug. 21.

Tex., San Antonio—Auditorium—Sept. 17 (extended date), by A. B. and R. M. Ayres, archts., Bedell Bldg., and Willis & Jackson, archts., Chandler Bldg., 2 story and basement, rein-con., steel, brick, stone or terra cotta, plain foundation, Romana site, for City. $700,000. M. L. Diver, Calcasieu Bldg., engr. Noted Aug. 14.

Calif., Los Angeles — Club — Curlett & Beelman, archts., 408 Union Bank Bldg., taking bids 12-story and basement, 150 x 262 ft., rein.-con., stucco and cast stone, 6th St. and Parkview Ave., for Los Angeles Lodge 69, B.P.O.E. $1,750,000.

Calif., Santa Ana—Hospital—F. Lansdown, archt., Commercial Bldg., taking bids 3-story and basement, rein.-con., for Santa Ana Hospital Assn., 610 North Main St. $160,000. Noted June 5.

BIDS RECEIVED

Mass., Boston—Home—City Overseers of the Poor, 3 and 4 story, 48 x 65 ft. and 58 x 90 ft., brick and stone, Chardon and Hawkins St., from A. Piotti & Co., 78 Dudley St., Roxbury, $302,359. Noted Aug. 14.

Mass., Fall River—School—School Bd., Junior High School, 3 story, 100 x 212 ft., brick and limestone, plain foundation, President St., from Greaney & Sherry, 57 North Main St., $571,000; heating, from M. F. Mitchell, Fall River, $60,046; plumbing, from Lagasse Bros., 23 9th St., $31,-000. Noted Aug. 21.

Colo., Denver — High School — Secretary School Bd., School Administration Bldg., Aug. 13, general contract Lake Junior High School, Lowell Blvd., from Brown & Shrepferman, Continental Bldg., $667,650 (1) add $20,000 (2) add $2,500 (4) deduct $1,000; plumbing, etc., from Samson Bros., 1380 South Bway., $41,540; heating and ventilating, from Bradbury Bros. Heating Co., 1219 Stout St., $113,937. Noted July 31.

CONTRACTS AWARDED

Mass., Hyannis—Temple—Masonic Temple Assn., 2 story and basement, 60 x 100 ft., rein.-con. and brick, to C. A. Batson, 25 Arlington St., Brockton. Archts. est. $150-000. Noted Aug. 14.

Mass., Medford—Office—Old Colony Dock & Terminal Co., c/o R. H. Doane, archt., 162 Newbury St., Boston, 3 story and basement, 48 x 95 ft. and 50 x 80 ft., brick and stone, Main St. and Riverside Ave., here, to W. H. Whitcomb Constr. Co., 6 Beacon St., Boston. Archts. est. $150,000.

Conn., Meriden — High School — School Bd., Thomas Jefferson Junior High School, 2 story, 70 x 260 ft. with 60 x 101 ft. wing, brick and stone, plain foundation, Center St., to W. Martin & Sons, 164 State St., Bridgeport, $246,000. Noted Aug. 21.

Conn., New Haven—School—Saint John's Church, 79 Davenport Ave., 2 story and basement, 115 x 125 ft., brick, plain foundation, Davenport and South Aves., to C. Abadessa, 159 Winthrop Ave. Archts. est. $150,000. Noted July 17.

Conn., Norwich—Garage—A. M. Pasnik, 79 Williams St., 1 story and basement, 160 x 200 ft., brick and steel, Shetucket St., to Carrol & Fenton, 52 Oak St. Archts. est. $150,000.

N. Y., Brooklyn — Apartment — Fogel-Hirsch Building Corp., c/o Shampan & Shampan, archts. and engrs., 184 Montague

Buildings—Commercial (Continued)

St., will build brick, steel and stone, plain foundation, Washington Ave. and Lincoln Pl., by day labor. $200,000.

N. Y., Buffalo—Lodge—Fraternal Order of Eagles, Pearl and Tupper Sts., 4 story, 75 x 115 ft., rein.-con., brick and steel, Pearl St., to J. W. Cowper Co., Fidelity Bldg., $271,900. Noted July 10.

Pa., Johnstown — Hospital — Conemaugh Valley Memorial Hospital, general contract 6-story and basement, 43 x 220 ft. hospital, to W. B. Smith & Son, Johnstown. Noted July 10.

Pa., Monesson—School, etc.—St. Leonards Roman Catholic Congregation, general contract 2 and 3 story and basement, 30 x 35 ft., 36 x 56 ft., and 66 x 100 ft. school and parish house, to Moore-Lamb Constr. Co., 202 Stambaugh Bldg., Youngstown, O. Archts. est. $315,000. Noted July 24.

W. Va., Huntington — Hotel — F. C. Prichard, Robson-Prichard Bldg., 13 story, brick and rein.-con., 9th Ave., to Hancock Constr. Co., 1st Natl. Bank Bldg., $1,000,000. Noted July 17.

W. Va., Wheeling—School—Bd. Educ., general contract, Patcher Grade School, 2 story and basement, 170 x 200 ft., 37th and Wood Sts., to R. R. Kitchen Co., Natl. Bank Bldg. Archts. est. $434,000.

Ky., Louisville—Hall—Southern Baptist Theological Seminary, 5th St. and Bway., Norton Hall, central portion, 2 story, and four 1 story wings, rein.-con. and brick, Lexington Rd., to Struck Constr. Co., Clay and Franklin Sts. Noted July 17.

O., Alliance—Bank and Office—City Savings Bank & Trust Co., 7 story and basement, 55 x 109 ft., brick, steel and concrete, to Clemmer & Johnson, Metropolitan Bldg., Akron. Archts. est. $350,000.

O., Cleveland—Church—St. Philomens's Catholic Church, 13824 Euclid Ave., 2 story and balcony, 62 x 178 ft., brick and stone, Euclid and Wellesley Aves., to Schirmer-O'Hara Co., 2031 Euclid Ave. Archts. est. $250,000.

O., Cleveland — Warehouse — Petrequin Paper Co., c/o E. A. Petrequin, pres., 1250 West 3rd St., 3 story and basement, 66 x 282 ft., brick and rein.-con., 1556 Oregon Ave., to Craig-Curtiss Co., 4614 Prospect Ave. Archts. est. $300,000.

O., Cleveland — Apartment — K. Green, 1931 East 89th St., 4 story and basement, 42 x 150 ft., brick and steel, 2626 North Moreland Blvd., to Adelawitz & Lishowitz, 3353 East 125th St. Archts. est. $300,000. Noted June 12.

O., Cleveland — Orphanage — Cleveland Christian Home, 11401 Lorain Ave., 2 story, basement and 2 wings, brick, Lorain Ave., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $250,000. Noted July 31.

O., Cleveland—Apartment and Garage—H. A. Lattin, c/o H. A. Lattin Co., 310 Lakeside Ave., 2 story and basement, 100 x 120 ft., brick and steel, 1524 Clifton Blvd., to Gometz & Neshkes, 2233 East 89th St. Archts. est. $150,000.

O., Cleveland—Commercial—Union Mortgage Co., Mortgage Bldg., 2 story, 96 x 369 ft., brick top addition, East 6th St. and St. Clair Ave., to Craig-Curtis Co., 4614 Prospect Ave. Archts. est. $350,000.

O., Niles—High School—Bd. Educ., general contract, high school, to L. Adovasio & Son, Youngstown, $218,143. Noted Nov. 15.

Ind., Indianapolis—Office and Garage—Test Estate, 9 story, 100 x 150 ft., rein.-con., brick, stone and terra cotta, to Everett Winters Co., 1024 Brook Bldg., Detroit, Mich., about $750,000.

Ill., Chicago—Hotel and Service—Hotel Sherman Co., Clark and Randolph Sts., 22 story and basement, 80 x 182 ft. hotel addition, Randolph St., to G. A. Fuller Co., 140 South Dearborn St., also 8 story and basement, 70 x 182 ft. service building, Lake St., to Krahl Constr. Co., 350 North Clark St., both rein.-con., brick, steel and stone, caisson and plain foundations. Archts. est. $7,000,000. Noted July 31.

Ill., Decatur—School—St. James Catholic Parish, c/o J. F. Ostandorf, 742 East Clay St., 2 story and basement, 101 x 150 ft., rein.-con., brick and stone, to Laford & Hartung, Kankakee. Archts. est. $150,000. Noted July 10.

Wis., Madison — Hospital — St. Marys Hospital Assn., South Brooks St., brick, rein.-con. and steel unit, to J. H. Findorff, 601 West Wilson St., $357,500. Noted July 17.

Wis., Racine — Store — Zahn Dry Goods Co., 436 Main St., 4 story and basement, 62 x 140 ft., brick and concrete, plain foundation, Monument Sq., to W. W. Oeflein, 86 Michigan St. Archts. est. $300,000.

Wis., Wausau—Hotel—Holabird & Roche, 104 South Michigan Ave., Chicago, Ill., 8 story and basement, 78 x 200 ft., brick and concrete, plain foundation, Scott St., here, to W. W. Oeflein, 86 Michigan St., Milwaukee, for Hotel Wausaw Co., 86 Michigan St., Milwaukee. Archts. est. $900,000. Noted July 17.

Ia., Des Moines—Schools—Bd. Educ., G. Garton, secy., 629 3rd St., 3 story school, 15th and Filmore Sts., and 3 story school East 25th St. and University Ave., from C. Weitz Sons, 713 Mulberry St., $377,600 each; 2 story and basement, 80 x 274 ft., East 29th and Dean Sts., from Fleisher Constr. Co., 1000 Builders Exch., Minneapolis, Minn., $214,000, all rein.-con., brick, tile and stone. Noted Aug. 21.

Minn., Mankato—Chapel and Gymnasium—Academy Sisters of Good Council, Mother House, general contract, 4 story and basement, 134 x 196 ft., rein.-con., brick and stone, to Heffron & Fitzgerald, Rochester. Archts. est. $300,000.

Kan., Great Bend — High School — Bd. Educ. general contract 2 story and basement, 114 x 144 ft., rein.-con. and steel, to Underhill & Co., 131 North Emporia St., Wichita, $134,000. Noted July 31.

Kan., Kansas City—Warehouse—A. H. Jennings & Son, 754 Minnesota Ave., 3 story and basement, 125 x 175 ft., rein.-con., brick, steel and terra cotta, to E. Dreier & Son, Peoples Natl. Bank Bldg. Archts. est. $150,000.

Neb., Omaha—Church—St. Peters Roman Catholic Church, 27th and Leavenworth Sts., 1 story and basement, 90 x 157 ft., brick and steel, to A. Beck, 401 Keeline Bldg., $203,000. Noted Nov. 8.

Neb., Omaha — Hospital — L. A. Daly, archt., 622 Peters Trust Bldg., 4 story, brick and steel addition, to W. P. Deverell, 2 Wead Bldg., for St. Catherines Hospital, Forest Ave. $180,000. Noted Aug. 28.

Mo., Kansas City—Garage—Kaw Valley Investment Co., 514 Railway Exch. Bldg., will build 1 and 2 story and basement, 216 x 283 ft., brick, steel and rein-con., by day labor. $400,000. W. J. Koch, 801 Mutual Bldg., archt.

Mo., Kansas City—Hotel—J. N. McConnell, c/o R. Cornall, archt., 203 Bruening Bldg., general contract, 8 story and basement, 60 x 150 ft., brick, stone and rein.-con., to Collins Bros., 1600 Grand Ave. Archts. est. $500,000. Noted Aug. 21.

Mo., Kansas City—Hotel—Quality Builders, Inc., 1517 Commerce Bldg., will build 4 story and basement, 98 x 139 ft., brick and rein.-con., by day labor. $250,000. N. E. Peters, 2820 Harrison St., archt.

Mo., St. Louis—Garage—Eighteenth St. Realty Co., 312 North 8th St., 4 story and basement, rein.-con., brick, stone and terra cotta, 18th and 17th Sts. from Pine to Chestnut Sts., to J. Lionberger, 312 North 8th St. Archts. est. $750,000 or more. Noted July 31.

Mo., St. Louis—Garage and Offices, etc.—Missouri Portland Cement Co., Post Dispatch Bldg., 1 story, 51 x 165 ft., and 27 x 146 ft., rein.-con., Wharff & Tyler Sts., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $150,000.

Tex., Corsicana—Hotel—S. W. Sibley, and associates, Magnolia Bldg., and 5 story and basement, brick, concrete and steel, to L. H. Lacy & Co., 3310 Commerce St., Dallas, $300,000.

Tex., Houston—Club—Knights of Columbus, 820 Crawford St., 3 story and basement, 75 x 150 ft., brick and concrete, to Standard Constr. Co., Humble Bldg., $200,000. Noted Mar. 13.

Tex., San Antonio—Apartment Hotel—S. L. Jeffers, 1 Bushnell Pl., 10 story and basement, 50 x 137 ft., rein.-con., brick and stone, plain foundation, Ave. E and 3rd St., to Gilsonite Constr. Co., Great Southwestern Life Bldg., Dallas, $250,000. Noted Mar. 6.

Okla., Tulsa—Church—Trinity Episcopal Congregation, c/o D. Hunt, chn. building com., 550 East 18th St., general contract, 3 story and basement, 100 x 140 ft., stone and steel, plain foundation, 5th and Cincinnati Sts., to G. D. Morrow & Son, 607 Kennedy Bldg., $300,000.

Calif., Inglewood—Hotel and Store—Inglewood Hotel & Market Corp., c/o L. Skidmore, archt., Lissner Bldg., Los Angeles, will build 3 story and basement, 125 x 150 ft., brick, North Market St., by day labor.

Calif., Los Angeles—G. W. Harriman, c/o H. C. Deckbar, archt., 1007 Wright Callendar Bldg., 4 story and basement, 65 x 190 ft., brick, Orchid St., to P. W. Neville, Merchants Natl. Bank Bldg., $155,000.

Calif., Los Angeles — Library — Library Directors, 4 story and tower, 200 x 325 ft., rein.-con., plain foundation, 5th St., to Edwards, Wildey & Dixon, 515 Black Bldg., approximately $1,350,000. Noted Aug. 28.

Calif., San Bernardino — Exposition — Natl. Orange Shows, 456 E St., steel and timber exposition building, to A. Johnson Co., 1007 South Grand Ave., Los Angeles, $155,000.

Federal Government Work

PROPOSED WORK

Idaho, Pocatello — Bureau of Reclamation, soon takes bids concrete dam with terminal embankments on Snake River, at American Falls, west of here, to provide storage between 1,000,000 and 3,000,000 acre ft. for supplementing supply of existing irrigation projects. Estimated cost several million dollars.

BIDS DESIRED

R. I., Providence—Dredging—Oct. 3, at U. S. Engineers Office, dredging in Bridgeport Harbor, Conn.; adv. E. N.-R. Sept. 4.

N. Y., New York — Incinerator, etc. — Spec. 5021—Sept. 17, by Bureau of Yards & Docks, Navy Dept., Washington, D. C., incinerator plant and chimney, here; adv. E. N.-R. Sept. 4.

Ala., Florence—Crane—Sept. 12, by U. S. Engineer Office, 1 electric traveling crane, 10 ton capacity, for power house at Wilson Dam; adv. E. N.-R. Sept. 4.

Ala., Montgomery—Snag Boat—Oct. 15, at U. S. Engineers Office, one 156 ft. steel hull, steam driven, stern wheel snag boat. G. O. Willis, ch. clk.; adv. E. N.-R. Sept. 4.

Tenn., Memphis—Oil—Sept. 15, by Mississippi River Comn., 1st and 2nd Dists., 1006 McCall Bldg., furnishing 30,000 gal. creosote oil; adv. E. N.-R. Sept. 4.

Ind., North Vernon—Post Office—Sept. 29, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story post office, here; adv. E. N.-R. Sept. 4.

Mo., St. Louis—Earthwork—Sept. 16, by Secretary Mississippi River Comn., 1311 nInternational Life Bldg., 231,000 cu.yd. earthwork in Henderson Co. D. D. 3, Illinois; adv. E. N.-R. Sept. 4.

Unclassified

PROPOSED WORK

Grain Elevator—Phila., Pa.—Phila. Grain Elevator Co., c/o Phila. & Reading Ry. Co., Reading Terminal, having plans prepared 2,000,000 bu. grain elevator, rein.-con., 500,000 bu. workhouse, 10,000 bu. drier, ½ mi. steel gallery, conveyor galleries, office building, etc., Port Richmond St. $2,500,000. Fegles Constr. Co., 706 1st Ave. N., Minneapolis, engrs.

Stadium—Macon, Ga.—Mercer University soon takes bids steel and concrete stadium. $100,000. Freeland, Roberts & Co., Independent Life Bldg., Nashville, Tenn., engrs. Noted June 6.

Sea Wall, etc. — Gulfport, Miss. — City and Harrison Co., making preliminary plans rein.-con. sea wall, etc., along water front, $225,000. Shaw & Woleban, Gulfport, engrs.

Golf Course—Lyndhurst (Cleveland P. O.), **O.**—Arcacia Country Club, c/o A. J. Park, 7016 Euclid Ave., Cleveland, plans constructing 18 hole golf course, country club and clubhouse. $500,000. A. D. Taylor, 4614 Prospect Ave., Cleveland, archt.

Subway—St. Louis, Mo.—City making preliminary plans for subway in downtown district. Election in spring for $50,000,000 bonds. C. E. Smith & Co., Railway Exchange, engr.

Subway — Amarillo, Tex., — City and Atchison, Topeka & Santa Fe R.R., Amarillo, made plans, for subway 10th St. and Atchison, Topeka & Santa Fe R.R. $25,000. H. R. Jones, city engr.

Tank—Corsicana, Tex.—Magnolia Petroleum Co., Magnolia Bldg., making plans 55,000 bbl. oil tank, steel. $35,000.

Steel Oil Tank—Cleburne, Tex.—Prairie Pipe Line Co., plans 55,000 bbl. tank at Meridith Switch tank farm. $75,000.

Wharf — Houston, Tex. — Harris Co. Navigation Dist., Court House, making plans 100 x 400 ft. concrete wharf, Turning basin. $80,000. E. A. Tucker, Court House, engr.

"White Way"—Durant, Okla.—Making preliminary plans 60 pole white way lighting system with connections to power plant. $15,000. Engineer not selected.

Gas Mains—California—Sacramento Gas Co., 914 7th St., Sacramento, L. H. Northrup, mgr., plans extending gas mains in Sacramento and Lodi Dists. $225,000.

Pipe Line — Azusa, Calif. — Southern Counties Gas Co., 724 South Spring St., Los Angeles, plans approximately 40,000 ft. 6 in. pipe line in Pomona Valley between Squadra and Covina. $50,000 or more.

Boardwalk—Long Beach, Calif.—Plans approximately 1 mi. boardwalk with ornamental lighting system, comfort stations, etc. To exceed $25,000. R. D. Van Alstine, city engr.

Recreation Park, etc.—Monrovia, Calif. — Made plans recreation ark, rein.-con. swimming pool with tile walls, etc. $80,000

Unclassified (Continued)

available. Work will probably be done by city forces. Cook & Hall, I. W. Hellman Bldg., Los Angeles, engrs. Noted Oct. 4.

Car Barn—San Francisco, Calif.—City and San Francisco Co., soon take bids 1 story, rein.-con. car barn and machine shop addition, 17th St. near Mariposa St. $100,000. M. M. O'Shaughnessy, city engr.

Conduit—San Francisco, Calif.—Pacific Telephone & Telegraph Co., 333 Grant Ave., plans 27,000 duct ft. creosoted wooden conduit in Chestnut St. between Baker and Webster Sts. $14,960; additional cable facilities, $15,920. T. F. Delury, genl. mgr.

Drydock—Kingston, Ont.—Kingston Shipbuilding Co., plans 700 ft. mass and rein.-con. drydock 300 ft. wide, $4,000,000. Private plans.

Power Line Extension—Norval, Ont.—Ontario Hydro Power Comn. University Ave., Toronto, making plans extending electric light and power distribution system, here. $30,000. A. Beck, London, chn.

BIDS DESIRED

Fire Alarm System—Brooklyn, N. Y.—Sept. 9, by T. J. Drennan, fire comr., Municipal Bldg., New York, constructing portion of underground fire system.

Jetty—Monmouth Beach (Long Branch, P. O.), **N. J.**—Sept. 3, by Monmouth Co. (Freehold), stone jetty with timber core, here. G. K. Allen, Jr., 60 Broad St., Red Bank, engr.

Ornamental Street Lighting System—West Allis, Wis.—Sept. 3 (extended date), by Bd. Pub. Wks., A Wichner, supt., ornamental street lighting system on Garfield and National Aves. $30,000. A. J. Sweet, 531 Grand Ave., Milwaukee, engr.

Tunnels and Storm Drains—Los Angeles, Calif.—Sept. 8, by Los Angeles Co. Flood Control Dist., Hall of Records Bldg., constructing tunnels and storm drains in Altadena storm drain, 8,500 cu.yd. rein.-con., 5,500 cu.yd. excav.; also Sycamore Canyon storm drain, 8,000 cu.yd. rein.-con., 40,500 cu.yd. excav. L. E. Lampton, co. clk.

BIDS RECEIVED

Heating and Plumbing—Fall River, Mass.—See "Buildings—Commercial."

Heating and Ventilating, etc.—Denver, Colo.—See "Buildings—Commercial."

CONTRACTS AWARDED

Coaling Plant—St. Albans, Vt.—Central Vermont Railway Co., 1 story mechanical coaling plant, brick and steel, plain foundation, to Roberts & Schaffer, Dearborn St., Chicago, Ill., $55,000. Archts. est. $60,000. Noted Aug. 21.

Steel Tower—Fall River, Mass.—Montaup Electric Co., Hathaway St., steel tower, to Stone & Webster, Fall River. Engrs. est. $60,000.

Culverts—Denison, Ia.—See "Streets and Roads."

Culverts—Estherville, Ia.—See "Streets and Roads."

Transmission Line, etc.—Missouri—L. K. Green & Sons, Rich Hill, will build 22,000 volt, 3 phase transmission line with 30 ft. poles, etc. from Bolivar to Stockton via Fair Play and Humansville, and line from Fair Play to Aldrich and from Bolivar to Morrisville, also increasing capacity of Bolivar, Mo. plant from 300 hp. to 1,000 hp., by day labor. Private plans.

Ornamental Lighting System—Dallas, Tex.—Ornamental lighting system between Harwood and Houston Sts., and ½ block between Vernon and Polk Sts., to Mid-West Eng. & Constr. Co., Slaughter Bldg., $53,763.

Tunnel—Dallas, Tex.—Southern Methodist University will build concrete conduit tunnel on campus, by day labor. $25,000. H. M. Whaling, business mgr. Noted July 17.

Cast Iron Pipe—Denison, Tex.—City, 65 tons 14 in. c.i. pipe, to Natl. Cast Iron Pipe Co., Kirby Bldg., Dallas, at $58 ton.

Transmission Line—Oklahoma—Oklahoma Gas & Electric Co., 120 Bway., Oklahoma City, made surveys 14 mi. 33,000 volt transmission line from Wewoka to Cromwell. $40,000. Bylisby Eng. Co., 208 South La Salle St., Chicago, Ill., engrs.

Sea Wall—Seattle, Wash.—Constructing Alki Ave. sea wall, 2,000 yd. concrete to Pacific Constr. & Timber Co., Mutual Life Bldg., $40,590. Engrs. est. $42,000.

Material and Equipment

PROPOSED WORK

Pipe—Monrovia, Calif.—City plans to purchase 10,000 ft. 4 in. standard screw dipped pipe with recess couplings, and 150 sewer flush tank faucets. L. P. Black, city clk.

BIDS DESIRED

Cement, Sand, Binder, Stone, etc.—Brooklyn, N. Y.—Sept. 10, by E. Riegelmann, boro. pres., Boro Hall, 400,000 gal. asphaltic cement, 7,000 cu.yd. asphalt sand, 6,000 cu.yd. binder stone, 7,000 bbl. portland cement, 4,000 cu.yd. 1½ in. gravel, 150 tons paving pitch, 1,500 cu.yd. sand grit and 5,000 cu.yd. concrete sand.

Gasoline and Sand—New York, N. Y.—Sept. 10, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 30,000 gal. gasoline and 2,000 cu.yd. concrete and paving sand.

Lighting Standards—Tonawanda, N. Y.—Sept. 8, by Tonawanda Town Bd., Village Hall, Kenmore, lighting standards. G. C. Diehl, 577 Ellicott Sq., Buffalo, engr.; adv. E. N.-R. Sept. 4.

Sand, Gravel, etc.—Columbus, O.—Haverfield Materials Co., 2230 West 5th Ave., in market for loading and unloading equipment for sand, gravel, etc. R. M. Edgar, genl. mgr.

Rock Crushing Machine—Eau Claire, Wis.—Wissot Sand & Gravel Co., 419½ Barstow St., W. A. Rowe, purch. agt., in market for rock crushing machinery, 1,000 tons daily capacity.

Clam Bucket—St. Joseph, Mo.—Judson Eng. & Constr. Co., 1811 Faraon St., in the market for ½ yd. clam bucket.

Steam Shovel—Temple, Tex.—J. W. Griffin, 403 East Elm St., in the market for small steam shovel.

Traction Steam Shovel—Waco, Tex.—McCall-Moore Engr. Co., 308-309 Amicable Bldg., in market for ¾ cu.yd. traction steam shovel.

Lumber—Merced, Calif.—Sept. 10, by H. P. Sargeant, secy. Merced Irrigation Dist., Bancroft Bldg., 100,000 ft. Merchantable r.w. lumber. R. V. Melkle, ch. engr.

CONTRACTS AWARDED

Cement—Merced, Calif.—Merced Irrigation Dist., 300,000 bbl. cement f.o.b. Exchequor Dam site, to Pacific Portland Cement Co., Pacific Bldg., San Francisco, at $5.29 per bbl., allowing $0.25 rebate until $90,000 is reached.

OFFICIAL PROPOSALS

Bids: Sept. 17.

Delaware River Bridge

CONTRACT 19

PHILADELPHIA APPROACH, FOURTH TO FIFTH STREET AND STREET CHANGES INCIDENTAL THERETO.

Philadelphia, Pa.

Sealed proposals will be received by the Delaware River Bridge Joint Commission at Room 806 Widener Building, Philadelphia, Pa., until 1.30 o'clock p.m., Eastern Standard Time, September 17, 1924, when they will be publicly opened and read, for Contract 19 for the construction of the Philadelphia approach between Fourth and Fifth Streets and street changes incidental thereto for the bridge over the Delaware River connecting the cities of Philadelphia and Camden.

The work will include the construction of concrete footings on gravel foundation, the construction of concrete masonry and granite facing, the construction of structural metalwork, the grading of the site and certain nearby streets, the construction of sewers and inlets, and the paving and repaving of roadways and sidewalks and other work in the streets adjacent to the bridge approach. The contract time for the street changes in eight months and the contract time for the entire work is eleven months. Unit price bids are asked.

Copies of the contract and contract drawings may be obtained at the office of the Joint Commission upon deposit of twenty-five dollars, which deposit will be returned upon the receipt of bid or the return in good condition of the contract books.

Each proposal must be accompanied by a certified check for Twenty Thousand Dollars ($20,000) payable to the Delaware River Bridge Joint Commission, and Surety's consent must be shown. The bidder or bidders to whom the contract is awarded will be required to give bond in the sum of 50 per cent. of the amount of the contract.

The right is reserved to reject any or all bids.

DELAWARE RIVER BRIDGE JOINT COMMISSION.
GIFFORD PINCHOT,
Chairman.
JOSEPH K. COSTELLO,
Secretary.

Bids: Sept. 11.

Contract 23 For Dredging at Rye, N. Y.

WESTCHESTER COUNTY PARK COMMISSION

Bronxville, N. Y.

Sealed bids for dredging and filling approximately 800,000 cu.yds. at Manursing Island Park, Rye, N. Y., will be received by the Westchester County Park Commission at its office, 72 West Pondfield Road, Bronxville, N. Y., until 11 A.M. (daylight saving time), September 11, 1924.

Pamphlets containing informaton for Bidders, Form of Proposal, Specifications and Contract Drawings may be obtained by intending bidders at the above address by depositing $5.00. The right is reserved to reject any or all bids.

WESTCHESTER COUNTY PARK COMMISSION,
By JAY DOWNER, Chief Engineer.
Dated Bronxville, N. Y., August 21, 1924.

Bids: Sept. 18.

Notice to Contractors of Letting of Contract

IN DRAINAGE DISTRICT NO. 39, DUNKLIN COUNTY, MISSOURI

Kennett, Mo.

Sealed proposals will be received for Drainage District No. 39 by the County Court of Dunklin County, Missouri, at the Courthouse until 2 o'clock P. M., September 18th, 1924, for cleaning out twenty eight and a half (28½) miles old ditches by machines working on the bank, and excavating about three miles of new laterals, aggregating about 700,000 cubic yards of earth, clearing right of way and repairing old bridges.

Work to be done in accordance with the specifications and plans of Drainage District No. 39 of Dunklin County, on file in the office of County Clerk and can be secured from C. E. Smith & Company, Consulting Engineers, Railway Exchange Building, St. Louis, Missouri, by non-returnable deposit of $5.00.

All bids must be on forms furnished at the above address and be accompanied by a bidder's deposit in the amount of $1,000 properly sealed in envelope and plainly marked "Bid for Construction, Drainage District No. 39," and presented or mailed to the County Clerk, Dunklin County, Kennett, Missouri.

The Court reserves the right to reject any and all bids for said work.

Dated at Kennett, Missouri, this 18th day of August, 1924, by order of the Court.

CHAS. S. SHULTZ,
Clerk of the County Court,
Dunklin County, Missouri.